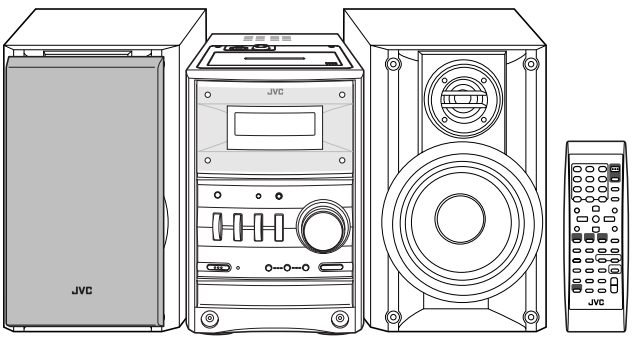
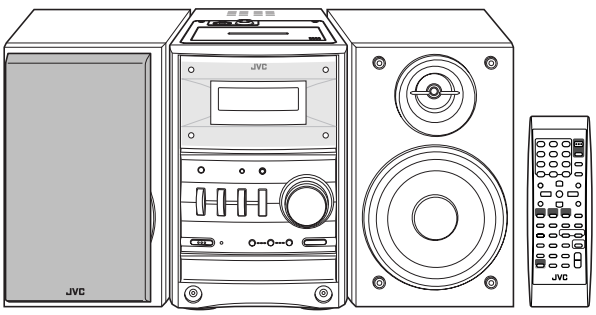
JVC

MICRO COMPONENT SYSTEM

UX-GD6S—Consists of CA-UXGD6S and SP-UXGD6S
UX-GD6M—Consists of CA-UXGD6M and SP-UXGD6M



UX-GD6S



UX-GD6M

DVD AUDIO/VIDEO™ COMPACT disc SUPER VIDEO dts™ 2.0+DIGITAL OUT DOLBY DIGITAL

3D-PHONIC Digital Direct Progressive Scan

INSTRUCTIONS

GVT0149-002A
[UW, US, UN, UG, UX]

Warnings, Cautions and Others

CAUTION— ⏻/I (STANDBY/ON) button!
Disconnect the mains plug to shut the power off completely (all lamps and indications go off). The ⏻/I (STANDBY/ON) button in any position does not disconnect the mains line.
- When the unit is on standby, the STANDBY/ON lamp lights in red.
- When the unit is turned on, the STANDBY/ON lamp lights in green.

The power can be remote controlled.

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

IMPORTANT FOR LASER PRODUCTS

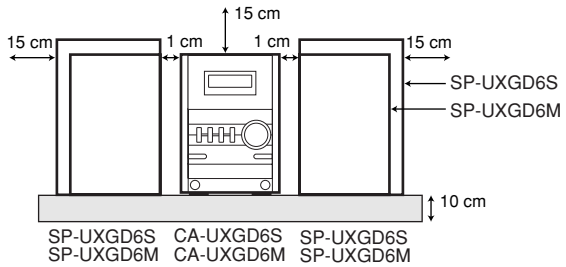
1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai vialtisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

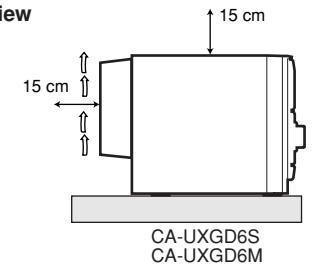
CAUTION
- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Caution: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1. Front: No obstructions and open spacing.
2. Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Front view



Side view



Introduction

Precautions

Installation

- Install the System in a location with adequate ventilation to prevent internal heat buildup in the System.

DO NOT install the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

- Install in a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Leave sufficient distance between the System and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

Power sources

- When unplugging the System from the wall outlet, always pull on the plug, not the AC power cord.

DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lenses inside the System in the following cases:

- After starting to heat the room
- In a damp room
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, then plug it in again.

Internal heat

- Make sure there is good ventilation around the unit. Poor ventilation could overheat and damage the unit.

DO NOT block the ventilation openings or holes. If they are blocked by a newspaper or cloth, etc., the heat may not be able to get out.

Others

- Should any metallic object or liquid fall into the System, unplug the AC power cord and consult your dealer before operating any further.

DO NOT disassemble the System since there are no user serviceable parts inside.

- If you are not going to operate the System for an extended period of time, unplug the AC power cord from the wall outlet.

If anything goes wrong, unplug the AC power cord and consult your dealer.

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Playable Disc Types INFO

• CD-R/RW: Recorded in the Audio CD, Video CD, SVCD, MP3, and JPEG formats.
• DVD-R: Recorded in the DVD Video format.
• DVD-RW/RAM: Recorded in the DVD Video Recording (VR) format.

In addition to the above discs, this system can play back audio data recorded on CD Text, CD-G (CD Graphics), and CD-Extra.

- The following discs cannot be played back: DVD+R, DVD+RW, CD-I (CD-I Ready), CD-ROM, Photo CD, etc.
  Playing back these discs will generate noise and damage the speakers.
- In this manual, "file" and "track" are interchangeably used for MP3/JPEG operations.

About color system

This System accommodates the NTSC and PAL system and can play back discs recorded in either the NTSC or the PAL system.

- To change the color system, see page 4.

Note on Region Code

DVD players and DVDs have their own Region Code numbers. This System can play back only DVDs with an appropriate Region Code number.

- For details, see "Specifications" on page 43.

EX.:

(For Central and South American countries)

Audio formats

The System can play back the following digital audio formats.

- **LPCM** (Linear PCM), **DIGITAL** (Dolby Digital), **DTS** (Digital Theater Systems), **MLP** (Meridian Lossless Packing)

When playing a multi-channel encoded DVDs, the System properly converts these multi-channel signals into 2 channels, and emits the downmixed sound from the speakers.

- **To enjoy the powerful sound of these multi-channel encoded DVDs,** connect a proper decoder or an amplifier with a proper built-in decoder to the DVD OPTICAL DIGITAL OUT terminal on the rear.

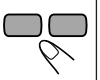
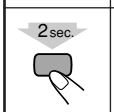
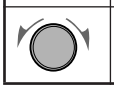
IMPORTANT: Before playing a disc, make sure of the following...

- Turn on the TV and select an appropriate input mode on the TV to view the pictures or on-screen displays.
- For disc playback, you can change the initial setting to your preference. See "Setup Menu Operations" on page 34.

If " ⃠ " appears on the TV screen when you press a button, the disc cannot accept the operation you have tried to do.

How to Read This Manual

- Button and control operations are explained as listed in the table below.
- **Some related tips and notes are explained later in the sections "Learning More about This System" and "Troubleshooting," but not in the same section explaining the operations (INFO indicates that the content has some information).**

	Indicates that you press the button **briefly.**
	Indicates that you press the button **briefly and repeatedly** until an option you want is selected.
	Indicates that you press one of the buttons.
	Indicates that you **press and hold** the button for a specified period.
	Indicates that you turn the control toward the specified direction(s).

	Indicates that this operation is only possible using the remote control.
	Indicates that this operation is only possible using the main unit.

"DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.

Caution for DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Connections INFO

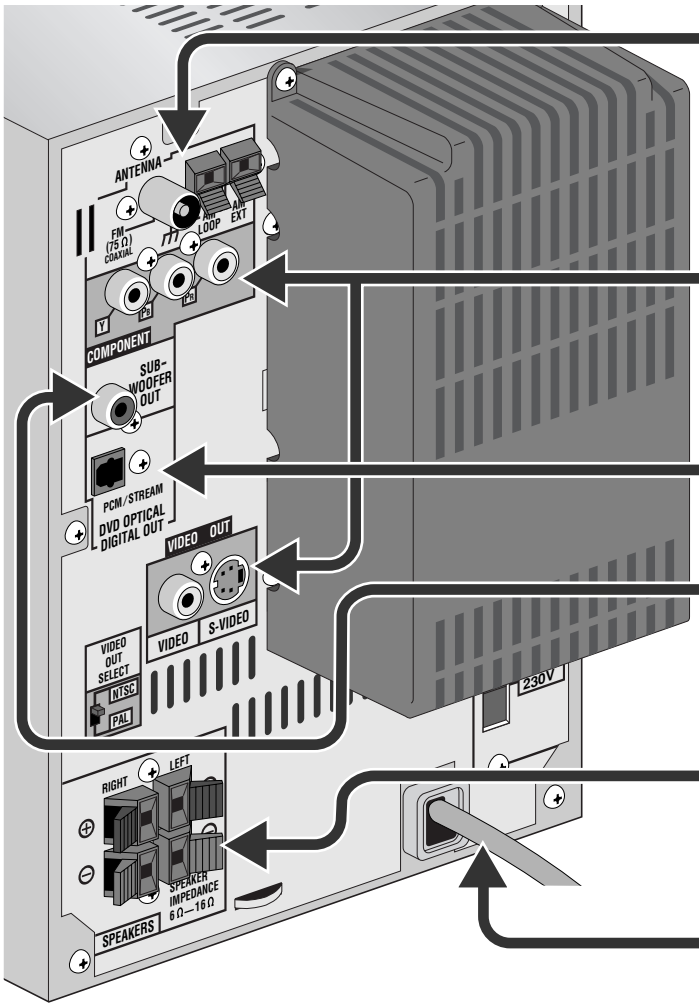
Do not connect the AC power cord until all other connections have been made.

- Connect VIDEO OUT/COMPONENT directly to the video input of your TV. Connecting VIDEO OUT/COMPONENT to a TV via a VCR may interfere with your viewing when playing back a copy-protected disc. Your viewing may be interfered when connecting VIDEO OUT/COMPONENT to an integrated TV/VCR system.

Supplied accessories

Check to be sure that you have all the following items.
- FM antenna (x1)
- AM loop antenna (x1)
- Composite video cord (x1)
- Remote control (x1)
- Batteries (x2)
- AC plug adapter (x1) (Except for the Middle East)

If any item is missing, consult your dealer immediately.



1 From AM/FM antenna
See page 4.

2 From the input of TV/monitor
See page 4.

3 From the digital input of digital audio component such as CD recorder
See page 5.

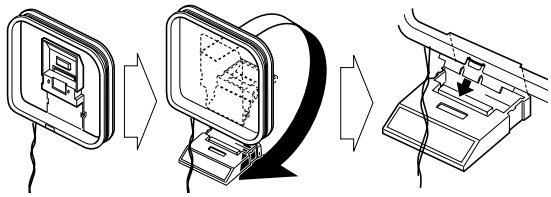
4 From the powered subwoofer
See page 5.

5 From the speakers
See page 5.

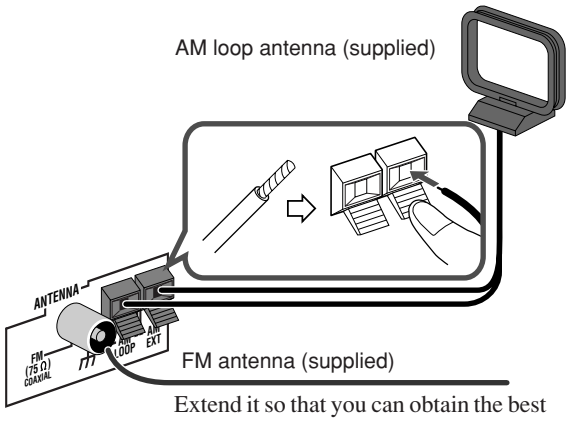
6 From a wall outlet
Plug the AC power cord only after all connections are complete.
- If the wall outlet does not match the AC plug, use the supplied AC plug adapter (except for the Middle East).

❶ AM/FM antenna

To assemble the AM loop antenna

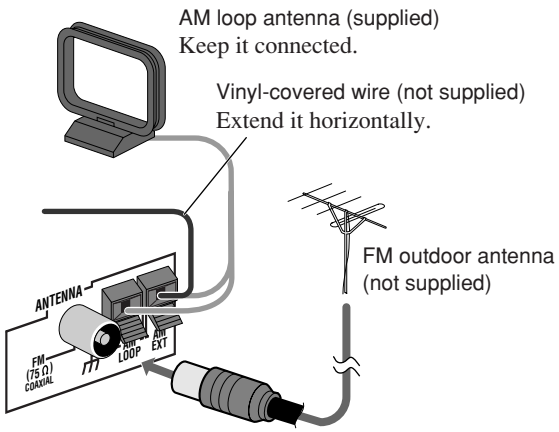


To connect AM/FM antenna



Extend it so that you can obtain the best reception.

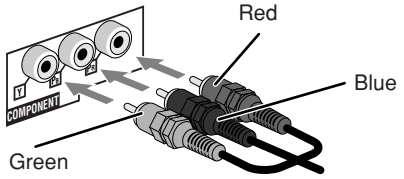
For better AM/FM reception



• Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector (IEC or DIN45325).

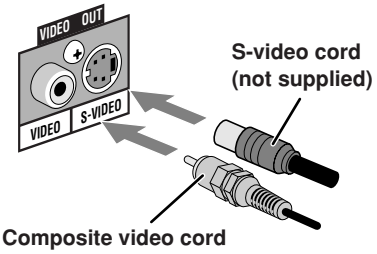
❷ TV/monitor

Connect the COMPONENT, S-VIDEO, or VIDEO jacks which you want to use.



Component video cord (not supplied)

• To select progressive scanning mode (see page 13), use COMPONENT jacks.

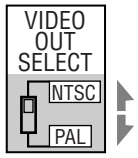


S-video cord (not supplied)

Composite video cord (supplied)

Selecting the Video Output Selector

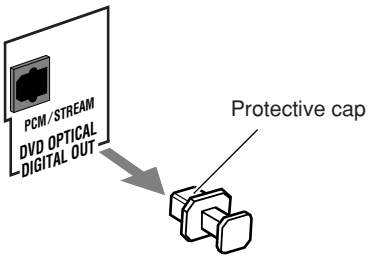
You can select the video output to match it to the color system of your TV.



NTSC: For an NTSC TV.
PAL: For a PAL TV.

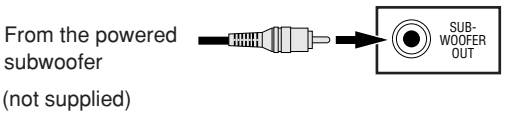
• When using a multi-color system TV, either position will work.

❸ Digital audio component



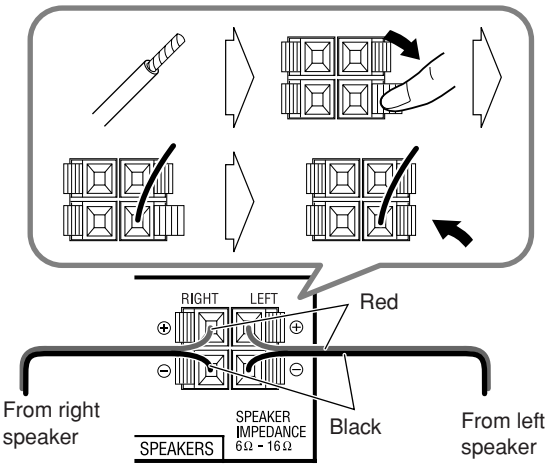
• Set “DIGITAL AUDIO OUTPUT” in the “AUDIO” menu correctly according to the connected digital audio equipment (see page 35). If setting is incorrect, loud noise may be generated causing damage to the speakers.

❹ To connect the powered subwoofer



❺ Speakers

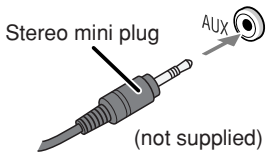
• When connecting the speaker cords, match the polarity of the speaker terminals: red color to (+) and black color to (–).



STOP!

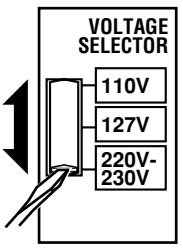
• DO NOT connect more than one speaker to each terminal.
• DO NOT push or pull the speakers as this will damage the foot spacers at the bottom of the speakers.

When connecting auxiliary equipment (AUX)

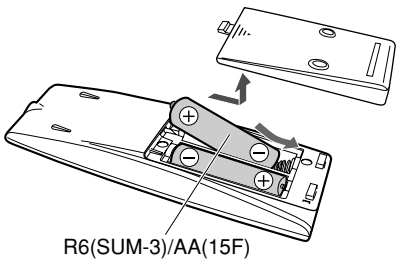


Before plugging in the System

Set the correct voltage for your area with the voltage selector on the rear.
Use a screwdriver to set the voltage selector to the same voltage as where you are plugging in the unit. (See also the back cover page.)



Preparing the remote control



• Dispose of batteries in the proper manner, according to federal, state, and local regulations.

STOP!

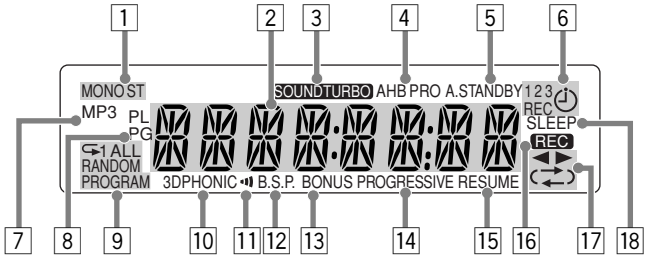
DO NOT recharge, short, disassemble or heat the battery or dispose of it in a fire.

When using the remote control

Point the top of the remote control toward the remote sensor as directly as possible. If you operate it from a diagonal position, the operating range (approx. 5 m) may be shorter.

Display Indicators

The indications on the display teach you a lot of things while you are operating the System.
Before operating the System, be familiar with when and how the indicator illuminates on the display.



1 FM reception indicators
- MONO: lights while receiving an FM stereo station in monaural.
- ST (stereo): lights while an FM stereo station with sufficient signal strength is tuned in.

2 Main display
- While listening to radio: Band (or preset number) and station frequency appear.
- While selecting "AUX": "AUX" appears.
- While playing a disc: Current status appears.
- While playing a tape: "TAPE" appears.

3 SOUND TURBO indicator
- Lights when Sound Turbo II is activated.

4 AHB PRO indicator
- Lights when Active Hyper Bass Pro is activated.

5 A(auto). STANDBY indicator
- Lights when Auto Standby is activated.
- Flashes when disc playback stops with Auto Standby activated.

6 Timer indicators
- ◴ : lights when Daily Timer stands by or is being preset.
- 1/2/3: lights when a Daily Timer (1, 2, or 3) stands by; flashes while being preset or working.
- REC: lights when the Recording Timer stands by; flashes while being preset or working.

7 MP3 indicator
- Lights when an MP3 track is detected.

8 PG/PL indicators
- PG: lights when a DVD-VR formatted disc is called up.
- PL: lights when Play List recorded on the DVD-VR formatted disc is called up.

9 Disc operation indicators
- RANDOM: lights when Random Play is activated.
- PROGRAM: lights when Program Play is activated.
- ↻ (repeat)1ALL:
  – ↻ALL : lights when Disc Repeat is activated.
  – ↻1 : lights when One Track/Chapter/Step repeat is activated.
  – ↻ : lights when any Repeat other than the above is activated.

10 3D PHONIC indicator
- Lights when 3D Phonic is activated.

11 (Clear Voice) indicator
- Lights when Clear Voice is activated.

12 B.S.P. (Browsable Still Picture) indicator
- Lights when Browsable Still Pictures are detected while playing a DVD Audio.

13 BONUS indicator
- Lights when a DVD Audio with a bonus group is detected.

14 PROGRESSIVE indicator
- Lights when the progressive scanning mode is selected.

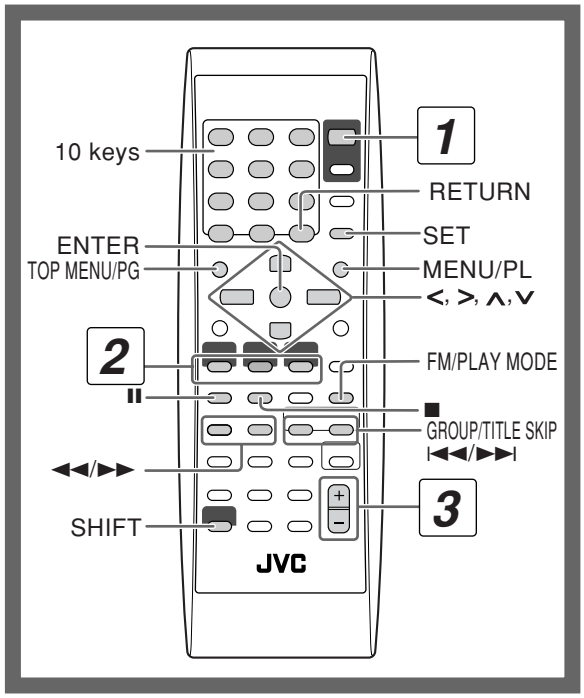
15 RESUME indicator
- Lights when Resume is activated (see page 35).

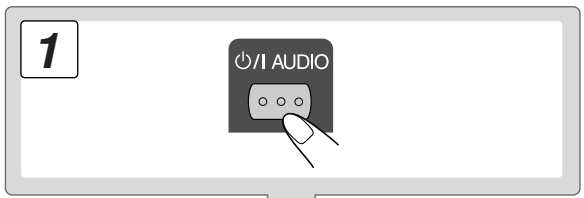
16 REC indicator
- Lights while recording.

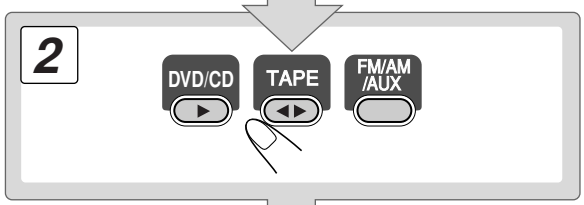
17 Tape operation indicators
- ◄ ► (tape direction):
  – Lights to indicate the current tape running direction.
  – Flashes slowly during playback and recording.
  – Flashes quickly while rewinding a tape.
- (reverse mode):
  – : tape play continues endlessly.
  – : tape automatically reverses once.
  – : tape play stops at the end of one side.

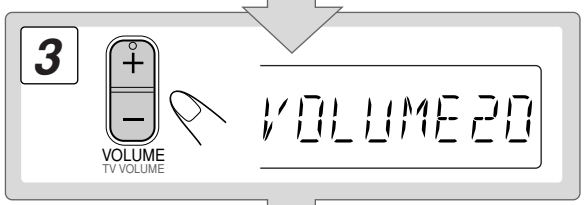
18 SLEEP indicator
- Lights when the Sleep Timer is activated.

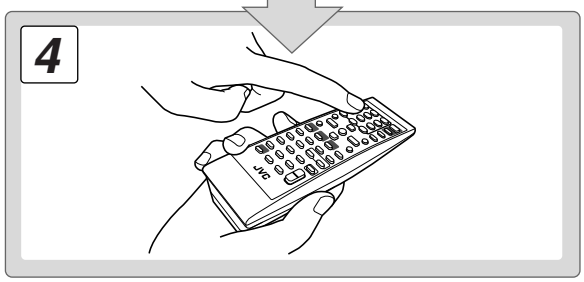
Daily Operations—Playback











In this manual, the operation using the remote control is mainly explained; however, you can use the buttons and controls on the main unit if they have the same (or similar) name and marks.

1 Turn on the power.

The STANDBY/ON lamp on the main unit lights in green.

- Without pressing ⏻/I AUDIO, the System turns on by pressing one of the source buttons in the next step.

2 Select the source.

Playback automatically starts if the selected source is ready.

- If you select "AUX," start playback source on the external component.

3 Adjust the volume.

4 Operate the target source as explained later.

To turn off (stand by) the unit

The STANDBY/ON lamp on the main unit lights in red.

- A small amount of power is always consumed even while on standby.

For private listening

Connect a pair of headphones to the PHONES jack on the main unit. The sound will no longer come out of the speakers. **Be sure to turn down the volume before connecting or putting the headphones.**

- Disconnecting the headphones will activate the speakers again.

DO NOT turn off (stand by) the System with the volume set to an extremely high level; otherwise, the sudden blast of sound can damage your hearing, speakers and/or headphones when you turn on the System or start playback.

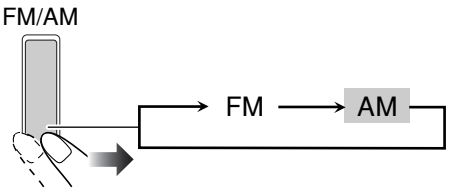
Listening to the Radio INFO

To set the AM tuner interval spacing

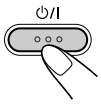
Main Unit ONLY

Before operating the tuner, it is required to select the appropriate AM space interval used for your area.

1 **Select the AM band.**

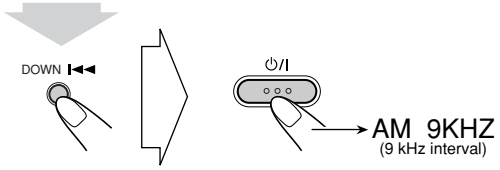


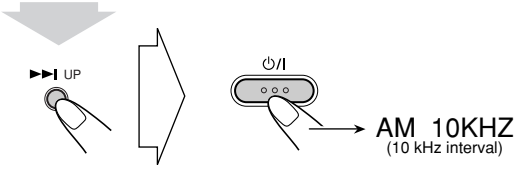
2 **Turn off the power.**



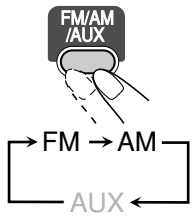
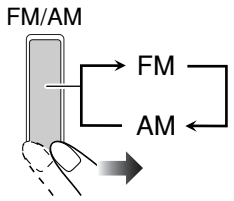
3 **Select the appropriate AM space interval for your area.**

- You can only use the button and the control on the front panel.



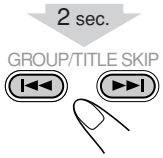
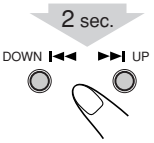


To select the band (FM or AM)

Remote control:	Main unit:
	

To tune in to a station

While FM or AM is selected...

Remote control:	Main unit:
	

Frequency starts changing on the display.
When a station (frequency) with sufficient signal strength is tuned in, the frequency stops changing.

- When you repeatedly press the button, the frequency changes step by step.

To stop searching manually, press either button.

If the received FM station is hard to listen Remote ONLY

The MONO indicator lights on the display. Reception will improve though stereo effect is lost—Monaural reception.
To restore the stereo effect, press the button again (the MONO indicator goes off).

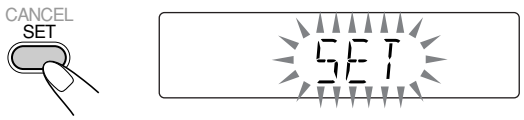
To preset the stations Remote ONLY

You can preset 30 FM and 15 AM stations.

1 **Tune in to a station you want to preset.**

- You can also store the monaural reception mode for FM preset stations if selected.

2 Activate the preset number entry mode.



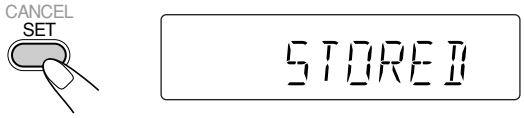
• Finish the following process while the indication on the display is flashing.

3 Select a preset number for the station you store.

Examples:
To select preset number 5, press 5.
To select preset number 15, press +10, then 5.
To select preset number 30, press +10, +10, then 10.

• You can also use the ►► or ◄◄ button.

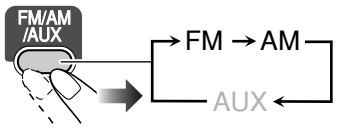
4 Store the station.



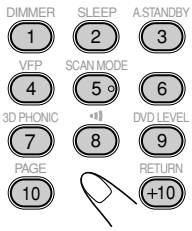
To tune in to a preset station

Remote ONLY

1 Select the band (FM or AM).



2 Select a preset number for the station you store.

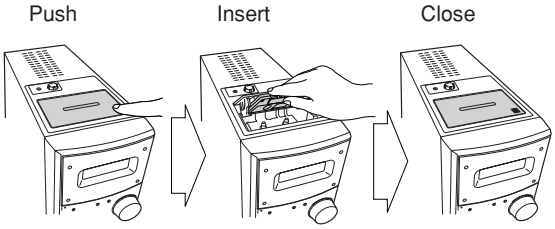


• You can also use the ►► or ◄◄ button.

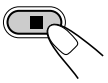
Playing Back a Tape INFO

To insert a tape

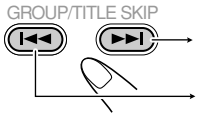
You can play back type I tapes.



With the tape side facing outside

To start:	To stop:
	

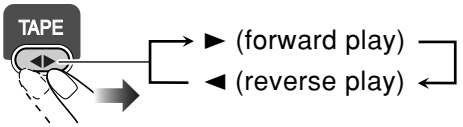
To rewind tape:



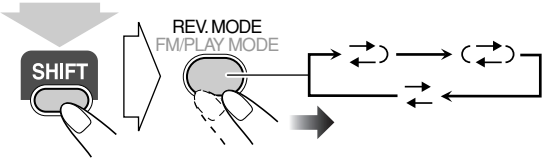
Rewind the tape to the right.

Rewind the tape to the left.

To change the tape running direction



To reverse the tape automatically



(at the same time)

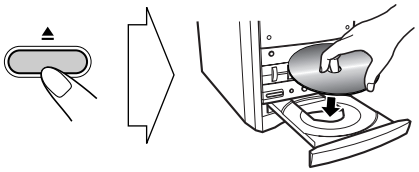
⇄	Tape is played from the forward side to the reverse side. When the reverse side is played back, playback stops.
↻	Tape is automatically reversed, and playback repeats until you stop it.
→ ←	Tape will not be reversed. When the current side of the tape reaches its end, playback stops.

Playing Back a Disc INFO

Before operating a disc, be familiar how a disc is recorded.
- DVD Video comprises of "**Titles**" which includes "**Chapters**," DVD Audio/MP3/JPEG comprise of "**Groups**" which includes "**Tracks**," and CD/SVCD/VCD comprise of only "**Tracks**."
- **For MP3/JPEG playback, see also page 25.**

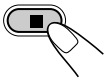
To insert a disc

You can insert a disc while playing another source.



- When using an 8 cm disc, place it on the inner circle of the disc tray.

To close the disc tray, press ▲ again.
- If you press DVD/CD ►, disc tray closes automatically and playback starts (depending on how the disc is programmed internally).

To start:	To pause:	To stop:
	To release, press DVD/CD ►.	

- **While playing DVD/SVCD/VCD/MP3:** This System can store the stop point, and when you start playback again by pressing DVD/CD ► (even while on standby), it starts from the position where you have stopped—Resume Play. ("RESUME" appears on the display when you stop playback.)
  To stop completely while Resume is activated, press ■ twice. (To cancel Resume, see "RESUME" on page 35.)
- When operating the System, the on-screen guide icon (see the following table) appears on the TV.

On-screen guide icons

- During DVD Video playback, the following icons may appear on the TV:

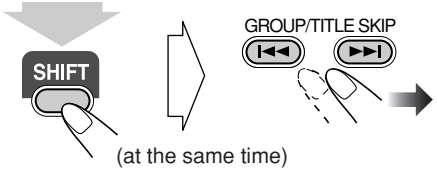
	At the beginning of a scene containing multi-angle views.
	At the beginning of a scene containing multi-audio sounds.
	At the beginning of a scene containing multi-subtitles.

- The following icons will be also shown on the TV to indicate your current operation.
  ►, ❚❚, ►►, ◄◄, ►❚, ❚◄
- To deactivate the on-screen guide icons, see "ON SCREEN GUIDE" on page 35.

To select a title/group

Remote ONLY

While playing a disc...



- Group name appears for MP3 discs.

To select a chapter/track

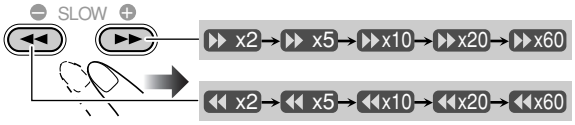
While playing a disc...

- First time you press I◄◄, you can go back to the beginning of the current chapter/track.

To locate a particular portion

Remote ONLY

While playing a disc...



- Search speed changes as illustrated above except for MP3 discs. For MP3 discs, search speed and the indications on the monitor are different.
- No sound comes out if searching is carried out while showing the moving picture.

To return to normal playback, press DVD/CD ►.

To locate an item directly

Remote ONLY

You can select a title/chapter/track directly and start playback.

• For DVD Video, you can select **a title before starting playback**, while you can select **a chapter after starting playback**.

Examples:
To select number 5, press 5.
To select number 15, press +10, then 5.
To select number 30, press +10, +10, then 10.

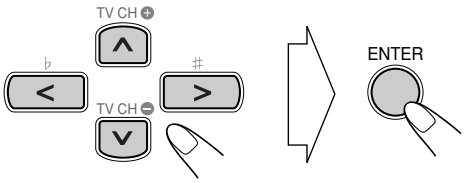
To play back using the disc menu

Remote ONLY

■ For DVD Video/DVD Audio:

1 **Show the disc menu.**

2 **Select an item on the disc menu.**



• With some discs, you can also select items by entering the number using the 10 keys.

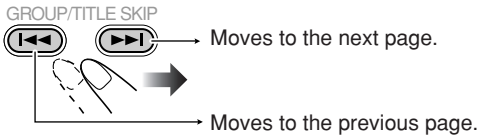
■ For SVCD/VCD with PBC:

While playing a disc with PBC, "PBC" appears on the display.

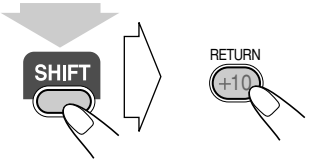
When disc menu appears on the TV, select an item on the menu. Playback of the selected item starts.

Examples:
To select number 5, press 5.
To select number 15, press +10, then 5.
To select number 30, press +10, +10, then 10.

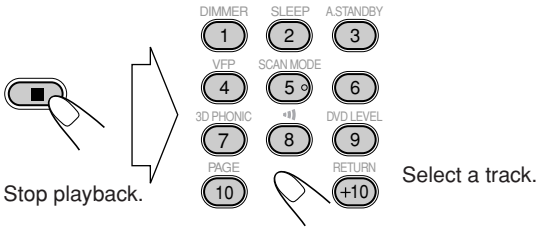
To move to the next or previous page of the current menu:



To return to the previous menu:



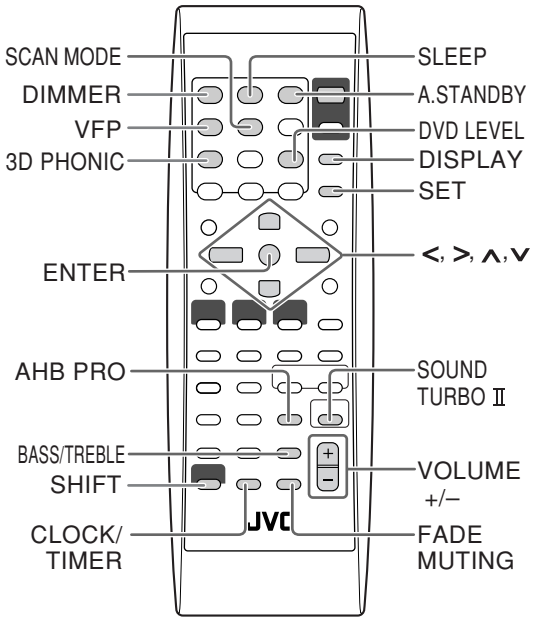
To cancel PBC



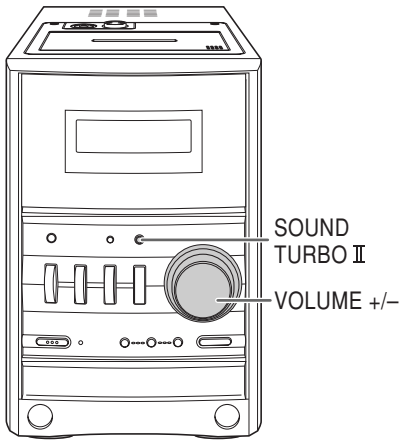
Playback starts with the selected track.

To reactivate PBC, press ■ (twice if Resume is turned "ON"), then press DVD/CD ►.

Remote control

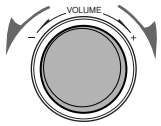


Main unit



Adjusting the Volume

You can adjust the volume level from level 0 (VOL MIN) to level 40 (VOL MAX).

Remote control:	Main unit:
	

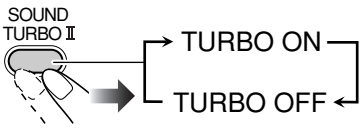
To drop the volume in a moment

To restore the volume, press again, or adjust the volume level.

Adjusting the Sound INFO

To reinforce the heavy sound

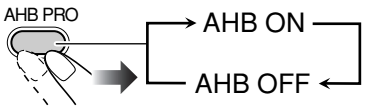
This boosts the low and high frequency sound—Sound Turbo Ⅱ.



- When Sound Turbo Ⅱ is turned on, AHB Pro is automatically turned on, and cannot be turned off. (AHB PRO indicator does not lights even though the function is turned on.)

To reinforce the bass sound

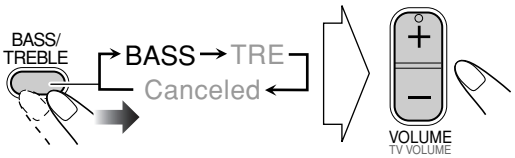
The richness and fullness of the bass sound is clearly maintained regardless of how you set the volume—Active Hyper Bass Pro.



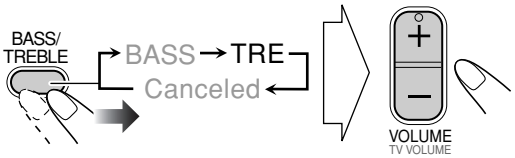
To adjust the tone

You can adjust the bass and treble level from –3 to +3.

To adjust the bass



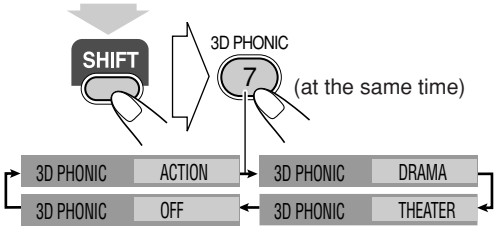
To adjust the treble



Creating 3-dimentional Sound Field —3D Phonic

Remote ONLY

While playing a disc...



• The selected mode can only be shown on the TV.

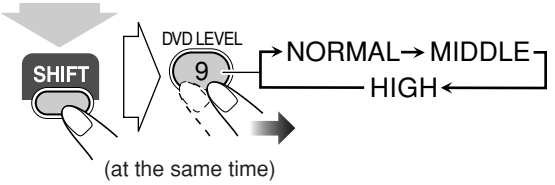
ACTION	Suitable for action movies and sports programs.
DRAMA	Creates natural and warm sound. Enjoy movies in a relaxed mood.
THEATER	Enjoy sound effects like in a major theater.

Presetting Automatic DVD Video Sound Increase Level

Remote ONLY INFO

The DVD Video sound is sometimes recorded at a lower level than for other discs and sources. You can set the increase level for the currently loaded DVD Video, so you do not have to adjust the volume when you change the source.

• This also functions for DVD-VR formatted discs.



NORMAL	Original recording level.
MIDDLE	Output level is increased (less than "HIGH").
HIGH	Output level is increased (more than "MIDDLE").

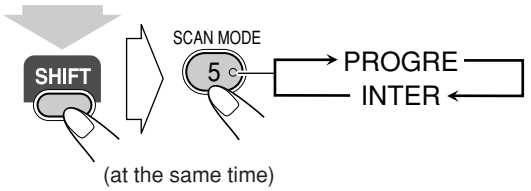
• Once the current DVD is ejected, this setting is canceled and set automatically to "NORMAL."

Changing the Scanning Mode

Remote ONLY INFO

This System supports progressive scanning.

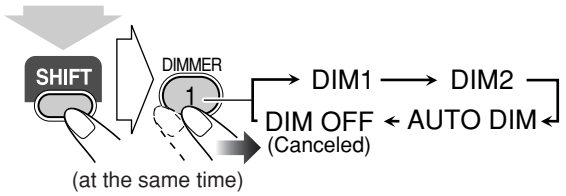
• If you connect a progressive TV through the COMPONENT jacks, you can enjoy a high quality picture from the built-in DVD player by selecting "PROGRE."



PROGRE	Progressive scanning. For a progressive TV. • The PROGRESSIVE indicator lights.
INTER	Interlaced scanning. For a conventional TV.

Changing the Display Brightness

You can dim the display window.



DIM1	Dims the display.
DIM2	Erases the display illumination.
AUTO DIM	Erases the display illumination when disc playback starts.* • The display illuminates when playback stops.

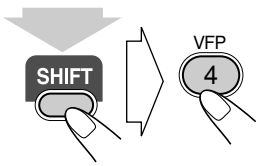
* "AUTO DIM" does not work for CD/MP3.

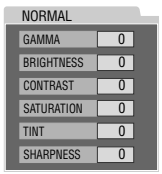
Changing the Picture Tone

• While showing a playback picture on the TV, you can select the preset picture tone, or adjust it and store your own taste.

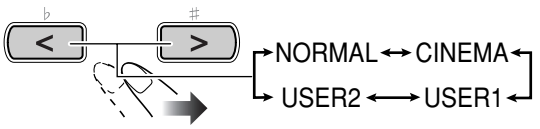
To select a preset picture tone

1 **While playing, display VFP setting screen.**





2 **Select a preset picture tone.**



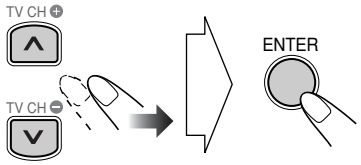
NORMAL	Normally select this.
CINEMA	Suitable for a movie source.
USER1/USER2	You can adjust parameters and can store the settings.

To erase the screen, press VFP again while holding SHIFT.

To adjust the picture tone

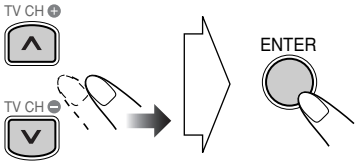
1 **Select "USER1" or "USER2."**
• Follow steps ***1*** and ***2*** explained on the left column.

2 **Select a parameter you want to adjust.**



GAMMA	Adjust if the neutral color is bright or dark (–3 to +3).
BRIGHTNESS	Adjust if the entire picture is bright or dark (–8 to +8).
CONTRAST	Adjust if the far and near positions are unnatural (–7 to +7).
SATURATION	Adjust if the picture is whitish or blackish (–7 to +7).
TINT	Adjust if the human skin color is unnatural (–7 to +7).
SHARPNESS	Adjust if the picture is indistinct (–8 to +8).

3 **Adjust the parameter.**



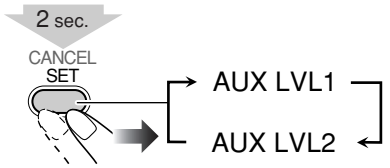
4 **Repeat steps *2* to *3* to adjust other parameters.**

To erase the screen, press VFP again while holding SHIFT.

Adjusting the Audio Input Level

If the sound from the component connected to the AUX jack is too loud or is not loud enough when changing from another source to "AUX," you can change the audio input level through the AUX jack (without changing the volume level).

While the "AUX" is selected as a source...



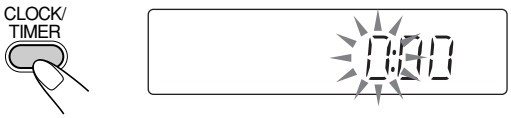
AUX LVL1	Select this when the sound is too loud (initial setting).
AUX LVL2	Select this when the sound is not loud enough.

Setting the Clock

Without setting the built-in clock, you cannot use Timers (see page 32) and Sleep Timer.

- To correct a misentry during the process, press CANCEL (while holding SHIFT) or CLOCK/TIMER. You can return to the previous step.

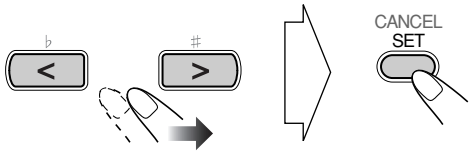
1 Activate the clock setting mode.



- If you have already adjusted the clock before, press the button repeatedly until the clock setting mode is selected.

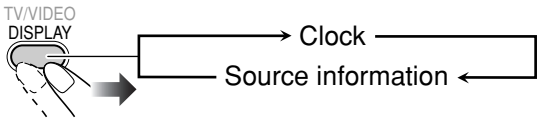
2 Set the time.

- **Adjust the hour, then the minute.**



Now the built-in clock starts working.

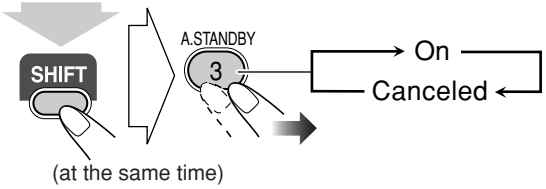
To check the current clock time during play



- While playing a DVD and MP3, you cannot check the clock time (other disc information appears).

Turning Off the Power Automatically

Auto Standby



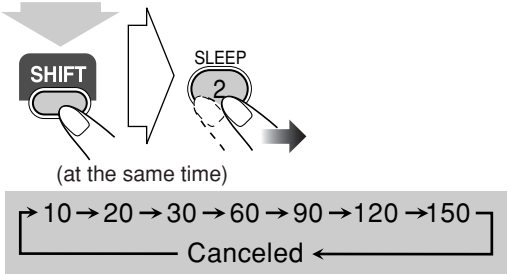
When Auto Standby is in use, the A.STANDBY indicator lights on the display.

When disc play stops, the A.STANDBY indicator starts flashing. If no operation is done for about 3 minutes while the indicator is flashing, the System turns off (stands by) automatically.

Sleep Timer

You can set the shut-off time so that you can go to bed without turning it off yourself.

1 Specify the time (in minutes).



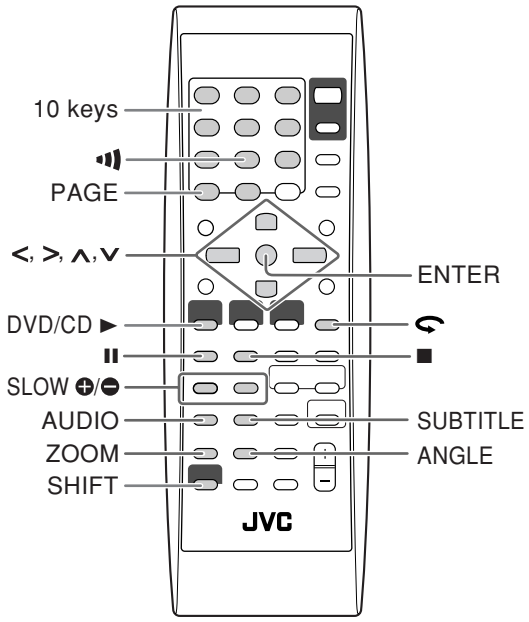
2 Wait until the set time goes off.

To check the time remaining until the shut-off time, press SLEEP while holding SHIFT.

- If you press the button repeatedly, you can change the shut-off time.

Unique DVD/VCD Operations

Remote control

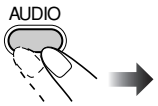


Selecting the Audio Track

Remote ONLY INFO

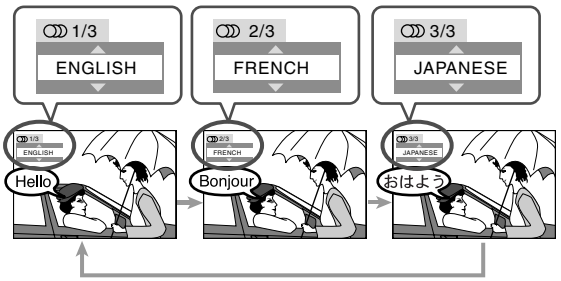
For DVD Video: While playing back a chapter containing audio languages, you can select the language to listen to.
For DVD Audio: While playing back a track containing audio channels, you can select the audio channel to listen to.
For DVD-VR and Karaoke SVCD/VCD: When playing back a track, you can select the audio channel to play.

- You can also select the audio track using the on-screen bar (see page 22).



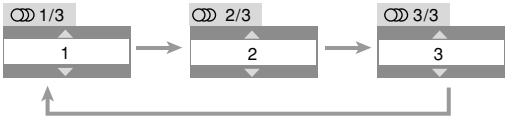
While playing a DVD Video...

Ex.:

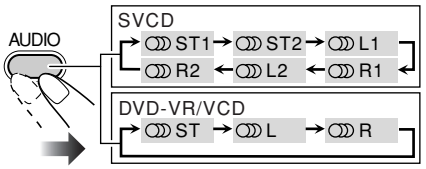


While playing a DVD Audio...

Ex.:



While playing a DVD-VR, or Karaoke SVCD/VCD...



ST1/ST2 **ST**	To listen to normal stereo (2 channel) playback.
L1/L2/L	To listen to the left audio channel.
R1/R2/R	To listen to the right audio channel.

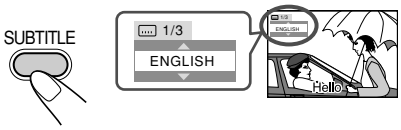
- SVCD can have 4 audio channels. Karaoke SVCD usually uses these 4 channels to record two 2-channel recordings (ST1/ST2).

Selecting the Subtitle Language

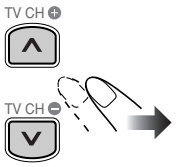
For DVD Video: While playing back a chapter containing subtitles in different languages, you can select the subtitle language to display on the TV.
For SVCD: While playing, you can select the subtitles even if no subtitles are recorded on the disc.
• You can also select the subtitle language using the on-screen bar (see page 22).

While playing a DVD Video...

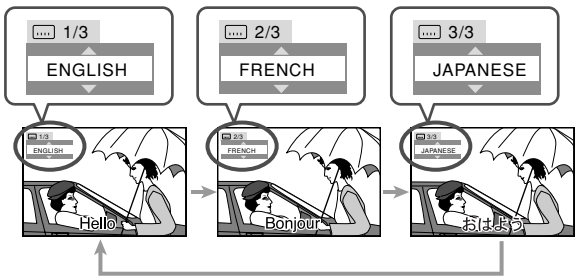
1



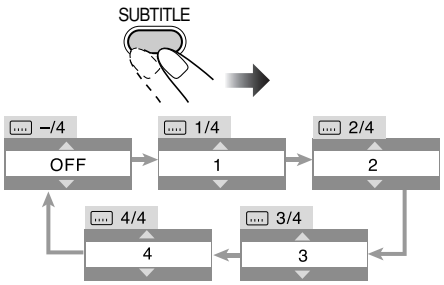
2



Ex.:



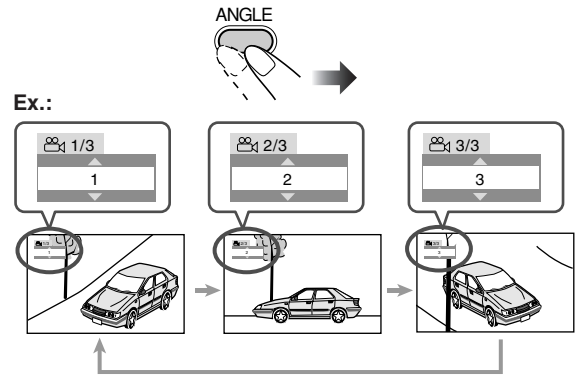
While playing an SVCD video...



Selecting the View Angle

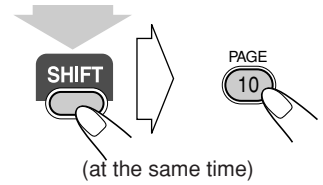
For DVD Video only: While playing back a chapter containing multi-view angles, you can view the same scene from different angles.
• You can also select the multi-view angles using the on-screen bar (see page 22).

While playing...



Selecting the Browsable Still Pictures

For DVD Audio only: While playing back a track linked to browsable still pictures (B.S.P.), you can select the still picture (turn the page) to be shown on the TV screen.
• If a track is linked to browsable still pictures (B.S.P.), they are usually shown in turn automatically during playback.
• You can also select the page using the on-screen bar (see page 22).



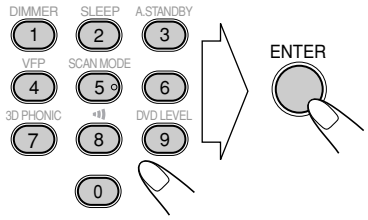
Each time you press the button, the still picture changes one after another (if available).

Playing Back Bonus Group

For DVD Audio only: Some DVD Audios have a special group called “bonus group” whose contents are not open to the public.
• To play back a bonus group, you have to enter the specific “key number” (a kind of password) for the bonus group. The way of getting the key number depends on the disc.

1 **Select the bonus group.**
• The bonus group is usually recorded as the last group (for example, if a disc contains 4 groups including a bonus group, “group 4” is the bonus group).
• For how to select the group, see “To select a title/group” on page 10.

2 Enter the key number.



3 Follow the interactive instructions shown on the screen.

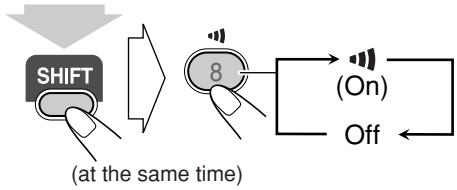
To cancel the key number entry, press ■.

Making Dialogues Clear—Clear Voice

Remote ONLY

When you play back a disc, you can use this function—Clear Voice. You can make the singer's voices or dialogues of the movie clear.

• This function only works for center-channel encoded multi-channel disc, and when 3D Phonic is activated.



Special Effect Playback

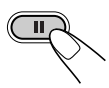
Remote ONLY INFO

Still picture playback

To start still picture playback:	To resume normal playback:
While playing...	

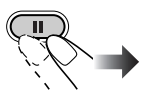
Frame-by-frame playback

1 While playing...



Still picture playback starts.

2 Advance the still picture frame by frame.



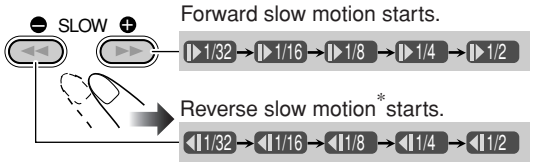
To resume normal playback, press DVD/CD ►.

Slow-motion playback

1 While playing...

Still picture playback starts.

2 Select slow motion speed.



*Only available for DVD-Video.

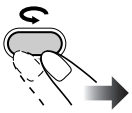
To resume normal playback, press DVD/CD ►.

To replay the previous scenes (One-Touch Replay)

Remote ONLY

• This function is only used while playing DVD Video/ DVD-VR.

While playing back...

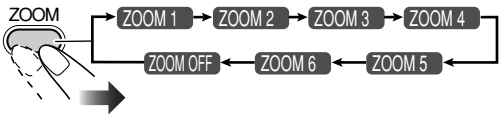


The playback position moves back about 10 seconds before the current position (only within the same title).

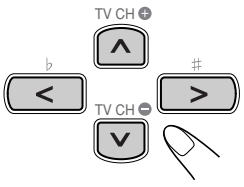
Zoom

Remote ONLY

1 While playing back...



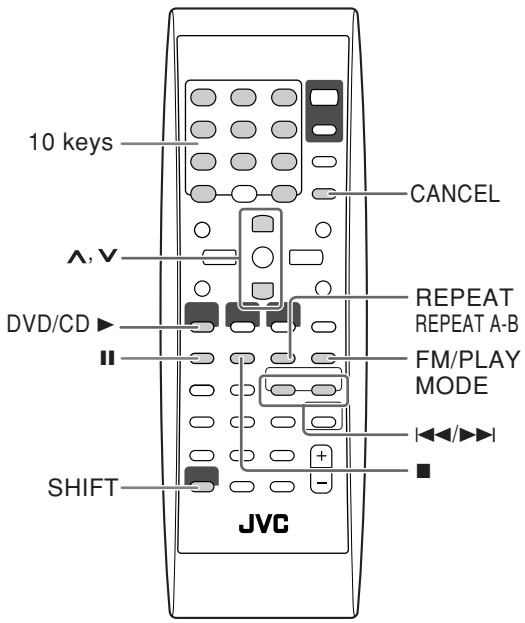
2 Move the zoomed-in position.



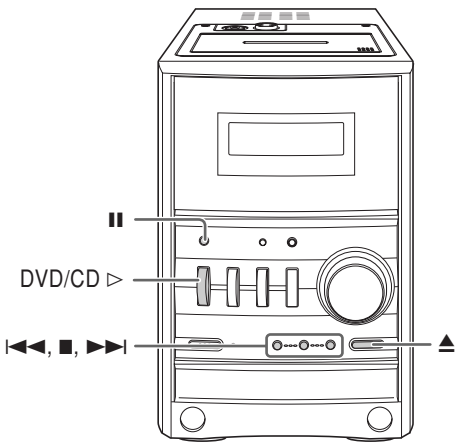
To cancel Zoom, press ZOOM repeatedly until "ZOOM OFF" appears on the TV.

Advanced Disc Operations

Remote control



Main unit



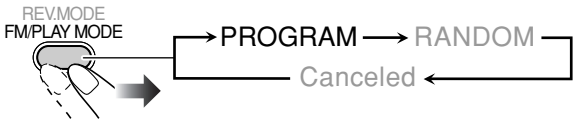
Programming the Playing Order— Program Play

Remote ONLY INFO

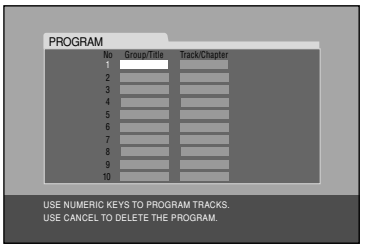
You can arrange the playing order of the chapters or tracks (up to 99) before you start playback.

• Program play cannot be used for DVD-VR/JPEG discs.

1 Before starting playback, activate Program Play.



On the display



On the TV

2 Select chapters or tracks you want for Program Play.

• For DVD Video/DVD Audio/MP3:

① Select a title or group number.

② Select a chapter or track number.

③ Repeat the above steps ① and ②.

• For SVCD/VCD/CD:

① Select tracks.

To enter the numbers directly:

Examples:

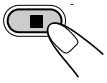
To enter number 5, press 5.

To enter number 15, press +10, then 5.

To enter number 30, press +10, +10, then 10.

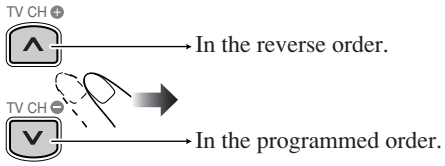
3 Start playback.

Playback starts in the order you have programmed.

To skip a step:	To pause:	To stop:
	To release, press DVD/CD ►.	

To check the programmed contents

Before or after playback...

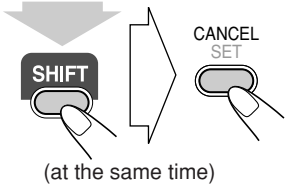


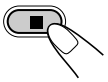
• You can also use I◄◄ or ►►I to check the programmed contents.

To modify the program

Before or after playback...

To erase the last step:



To erase the entire program:	To add steps in the program:
	Repeat step *2*.

To exit from Program Play

Before or after playback...

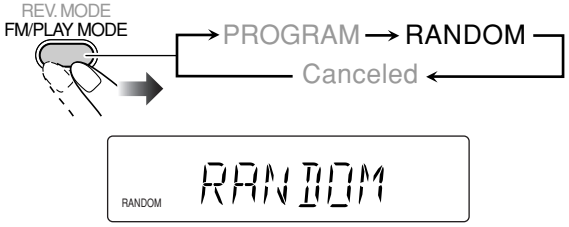
Playing at Random—Random Play

Remote ONLY

You can play all chapters or tracks at random.

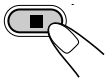
• Random Play cannot be used for DVD-VR and some DVDs.

1 Before starting playback, activate Random Play.



2 Start playback.

Playback starts in random order. Random Play ends when the entire disc has been played.

To skip a chapter/ track:	To pause:	To stop:
	To release, press DVD/CD ►.	

To exit from Random Play

Before or after playback...

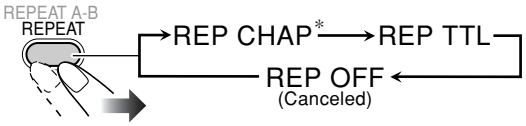
Playing Repeatedly

- You can also select the repeat mode using the on-screen bar (see pages 23 and 24).
- For JPEG/DVD-VR discs, see page 27.

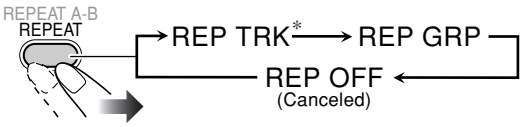
Repeat Play

You can repeat playback.

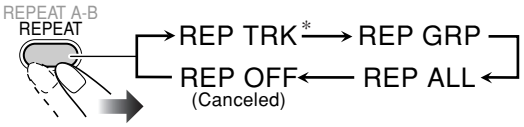
• For DVD Video:
While playing...



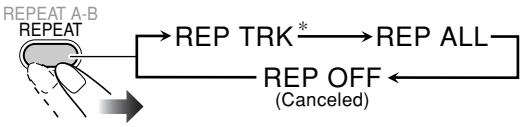
• For DVD Audio:
While playing or before playback...



• For MP3:
While playing or before playback...

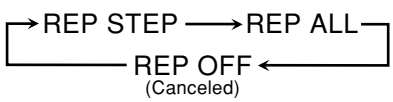


• For CD/SVCD/VCD:
While playing (without PBC for SVCD/VCD) or before playback...



REP CHAP*	Repeats the current chapter.
REP TTL	Repeats the current title.
REP TRK*	Repeats the current track.
REP GRP	Repeats the current group.
REP ALL	Repeats the disc or program.

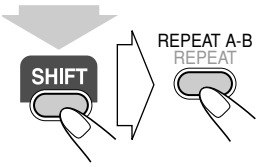
*During Program Play and Random Play, "REP STEP" appears instead of these indications, and repeat modes change as follows for all the discs.



A-B Repeat

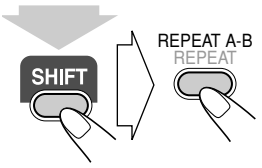
You can repeat playback of a desired portion by specifying the beginning (point A) and the ending (point B).
• A-B Repeat cannot be used for MP3 and for some DVDs.

1 While playing (without PBC for SVCD/VCD), select the start point (A).



↻ starts flashing on the display.
• ↻A- appears on the TV if the TV is turned on.

2 Select the end point (B).



↻ stops flashing.
• ↻A-B appears on the TV.

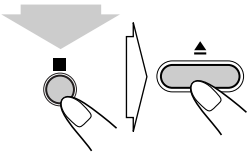
• You can search for the end point using the ►► button.

To cancel A-B Repeat, press REPEAT A-B again while holding SHIFT.
• A-B Repeat will also be canceled when you stop play or skip the chapter or track.

Prohibiting Disc Ejection—Child Lock

You can lock the disc tray so that no one can eject the loaded disc.
• This is possible while the System is on standby.

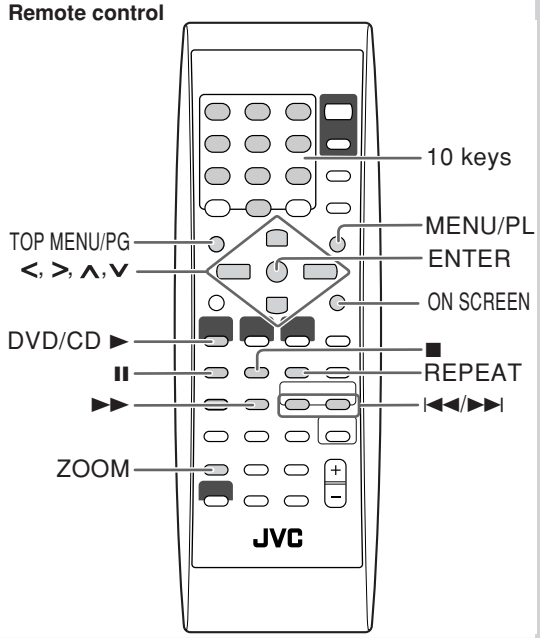
While the disc tray is closed...



To cancel the prohibition, repeat the same procedure. "UNLOCKED" appears on the display.

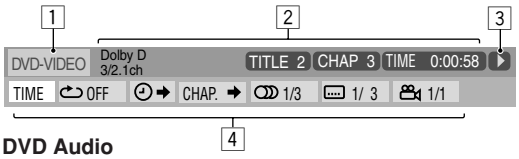
On-Screen Disc Operations

Remote control

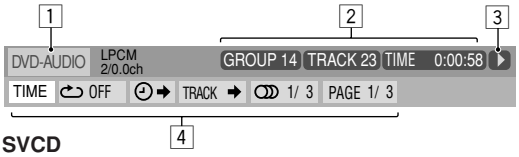


On-screen bars

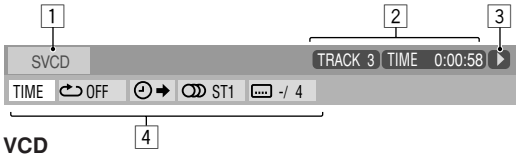
DVD Video



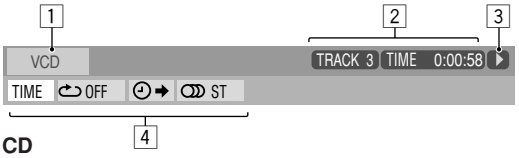
DVD Audio



SVCD



VCD



CD

On-screen Bar Information

You can check the disc information (except for MP3/JPEG disc) and use some functions through the on-screen bar.

1 **Disc type**

2 **Playback information**

Indication	Meanings
Dolby D	Audio format
3/2.1ch	Channel number
TITLE 2	Current title
CHAP 3	Current chapter
GROUP 1	Current group
TRACK 14	Current track
TOTAL 1:25:58	Time indications

3 **Operation modes**

Indication	Meanings
►	Playback
►► / ◄◄	Forward/Reverse search
►I / I◄	Forward/Reverse slow-motion
II	Pause
■	Stop

4 **Function icons (on the pull-down menu)**

Indication	Meanings
TIME	Select to change the time indication.
OFF	Select to repeat playback.
◷➔	Select for time search.
CHAP.➔	Select for chapter search.
TRACK➔	Select for track search.
1/3	Select to change the audio language or channel (see also page 16).
1/3	Select to change subtitle language (see also page 17).
1/3	Select to change the view angle (see also page 17).
PAGE 1/5	Select to change the page (see also page 17).

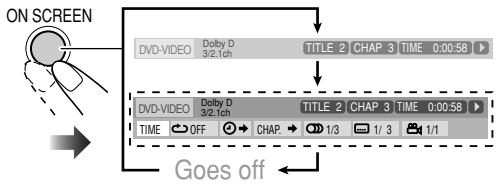
Operations Using the On-screen Bar

Remote ONLY INFO

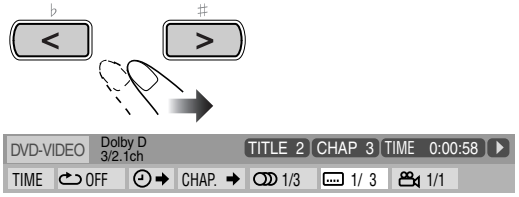
Ex.: Selecting a subtitle (French) for DVD Video

While a disc is selected as the source...

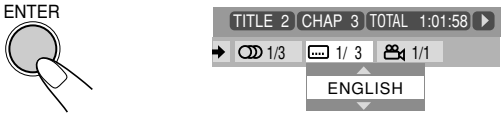
1 Display the entire on-screen bar.



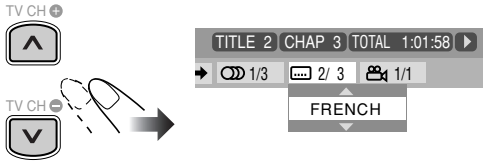
2 Select (highlight) the item you want.



3 Display the pop-up window.



4 Select the desired option in the pop-up window.



5 Finish the setting.

Pop-up window goes off.

To erase the on-screen bar

For detailed operations of the following functions, see also “Operations Using the On-screen Bar” on the left.

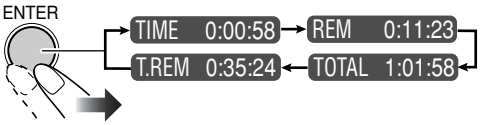
To change the time information

You can change the time information in the on-screen bar and the display window on the main unit.

1 While playing, display the on-screen bar with the pull-down menu.

2 Make sure TIME is selected (highlighted).

3 Change the time indication.



TIME	Elapsed playing time of the current chapter/track.
REM	Remaining time of the current chapter/track.
TOTAL	Elapsed disc time.
T.REM	Remaining disc time.

To erase the on-screen bar

Repeat Play

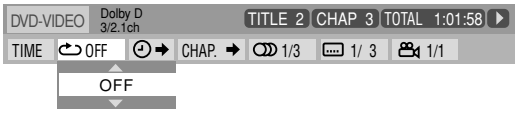
• See also page 21.

1 While playing a disc (without PBC for SVCD/VCD), display the entire on-screen bar.

• Repeat Play can be selected before starting playback, except for DVD Video/DVD-VR.

2 Select OFF .

3 Display the pop-up window.



4 Select the repeat mode you want.

A-B	Repeats a desired portion (see below).
TITLE*	Repeats the current title.
GROUP	Repeats the current group.
ALL	Repeats the disc (except for DVD) or program.
CHAPTER**	Repeats the current chapter.
TRACK**	Repeats the current track.
OFF	Cancels Repeat Play.

* While playing a DVD-VR disc, "PG" appears, and while playing a Program list, "PL" appears.

** During Program Play and Random Play, "STEP" appears.

5 Finish the setting.

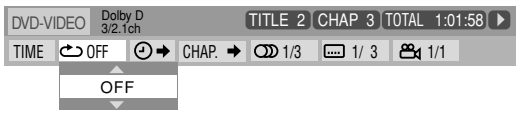
A-B Repeat

• See also page 21.

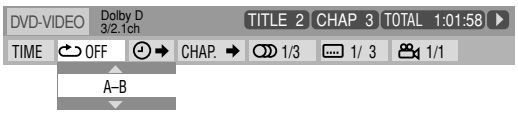
1 While playing, display the entire on-screen bar.

2 Select [↻ OFF] **.**

3 Display the pop-up window.



4 Select "A-B."



5 Select the start point (A).

6 Select the end point (B).

A-B Repeat starts. The selected portion plays repeatedly.

• Before pressing ENTER, you can search for the end point using the ►► button.

To cancel A-B Repeat, repeat steps **1** to **3**, and select "OFF" in step **4**.

Time Search

You can move to a particular point by specifying the elapsed playing time from the beginning.

1 While playing (without PBC for SVCD/VCD), display the entire on-screen bar.

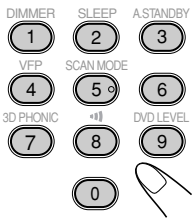
• Time Search can be used before starting playback, except for DVD Video/DVD-VR.

2 Select [⏲➔] **.**

3 Display the pop-up window.

4 Enter the time.

You can specify the time in hours/minutes/seconds.



Examples:

To move to a point of 1 (hours): 02 (minutes): 00 (seconds), press 1, 0, 2, 0, then 0.

To move to a point of 54 (minutes): 00 (seconds), press 0, 5, 4, 0, then 0.

• It is always required to enter the hour digit (even "0" hour), but it is not required to enter trailing zeros (the last two digits in the examples above).

• **To correct a misentry,** press Cursor < to erase the last entry.

5 Finish the setting.

The System starts playing the disc from the selected playing time.

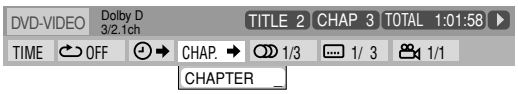
Chapter/Track Search

You can search for the chapter (DVD Video/DVD-VR) or track (DVD Audio) number to play.

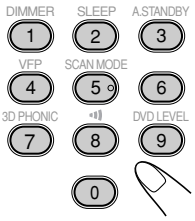
1 While playing, display the entire on-screen bar.

2 Select [CHAP.➔] **or** [TRACK➔] **.**

3 Display the pop-up window.



4 Enter the desired chapter/track number.



Examples:
To select chapter/track 5, press 5.
To select chapter/track 15, press 1, then 5.
To select chapter/track 30, press 3, then 0.

- **To correct a misentry,** press the 10 keys until the desired number shown in the pop-up window.

5 Finish the setting.

The System starts playing the searched chapter or track.

Browsable Still Pictures

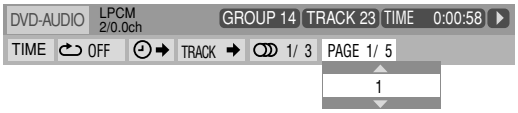
For DVD Audio only: While playing back a track linked to browsable still pictures (B.S.P.), you can select the still picture (turn the page) to be shown on the TV.

- If a track is linked to browsable still pictures (B.S.P.), they are usually shown in turn automatically during playback.

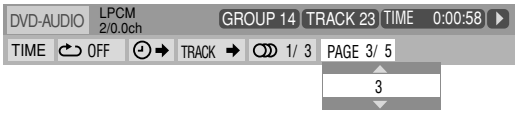
1 While playing a DVD Audio, display the entire on-screen bar.

2 Select PAGE 1/5 **.**

3 Display the pop-up window.



4 Select a still picture you want.



5 Finish the setting.

Operations on the Control Screen INFO

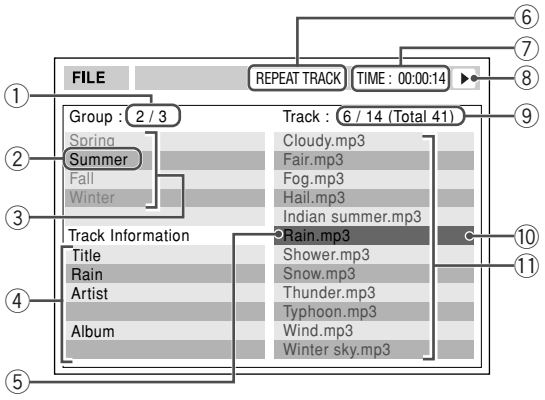
Remote ONLY

You can search for and play the desired items through the control screen.

Control screen for MP3/JPEG disc

The control screen automatically appears on the TV screen when you load an MP3 or a JPEG disc.

Ex.: When the MP3 disc is loaded.



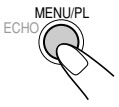
① Current group number/total group number
② Current group
③ Group list
④ Track information (ID3 Tag Version 1.0: only for MP3)
⑤ Current track
⑥ Repeat Play setting
⑦ Elapsed playing time of the current track (only for MP3)
⑧ Operation mode icon
⑨ Current track number/total number of tracks in the current group (total number of tracks on the loaded disc)
⑩ Highlight bar
⑪ Track list

- If files of different types (MP3 and JPEG) are recorded on a disc, select the file type to play (see page 34).

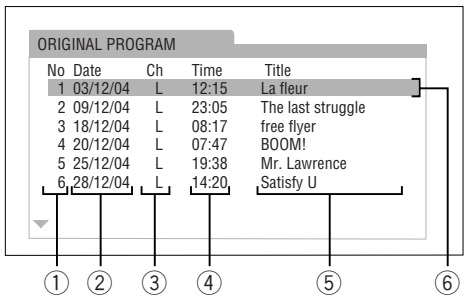
Control screen for DVD-RW/RAM in DVD-VR format

The control screen is superimposed on the TV screen when you call up Program List (PG) or Play List (PL).

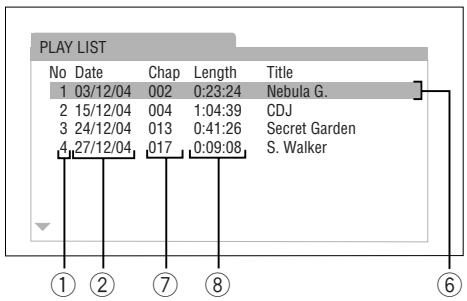
To select playback type

To select the Program List:	To select the Play List:
	
To erase the list, press the same button again.	

Ex.: When Program List is selected.

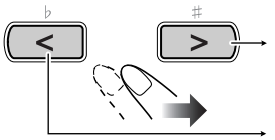

ORIGINAL PROGRAM
No Date Ch Time Title
1 03/12/04 L 12:15 La fleur
2 09/12/04 L 23:05 The last struggle
3 18/12/04 L 08:17 free flyer
4 20/12/04 L 07:47 BOOM!
5 25/12/04 L 19:38 Mr. Lawrence
6 28/12/04 L 14:20 Satisfy U
① ② ③ ④ ⑤ ⑥

Ex.: When Play List is selected.



① Listed number
② Recording date
③ Recording channels
④ Recording time
⑤ Title
⑥ Highlight bar (current selection)
⑦ Chapters included
⑧ Playback time

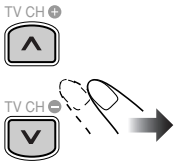
To move the highlight bar between group list and track list (for MP3/JPEG):



Moves the bar to the track list.

Moves the bar to the group list.

To select an item in the list:



Move the highlight bar to a desired item.

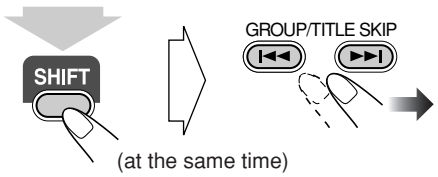
- If you move the highlight bar while playing back an MP3 disc, the selected track starts playback automatically.

To start playback

For JPEG:	
	The selected track (still picture) is displayed until you change it.
	Slide-show playback starts. Each track (still picture) is shown on the screen for about 3 seconds, then changes one after another.
For the other discs:	
	Playback starts with the selected track. • Pressing DVD/CD ► also starts playback.

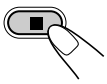
- Once you start playing back a JPEG track, the control screen goes off.
- To cancel slide-show, and display the current still picture, press ❚❚.

To select a group (for MP3/JPEG):



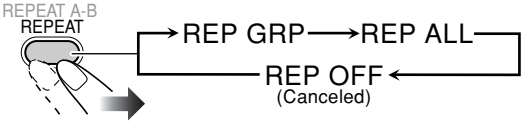
To skip a track:

To stop playback:



To repeat slide-show for JPEG

While playing or before playback...

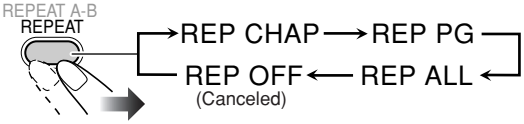


REP GRP	Repeats the current group.
REP ALL	Repeats the disc.

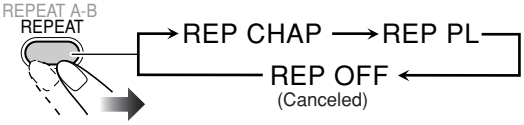
• For Repeat Play of the other disc types, see page 21.

To repeat playback for DVD-VR

While playing an original program...



While playing a Program List...



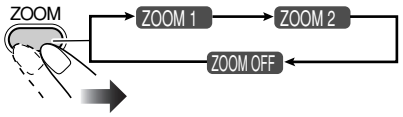
REP CHAP	Repeats the current chapter.
REP PG	Repeats the current program.
REP PL	Repeats the current Program List.
REP ALL	Repeats all programs.

To zoom in the still picture (for JPEG)

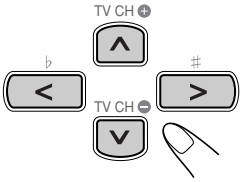
• You cannot zoom in the still picture during slide-show.

1 **While playing back a still picture...**

• During slide-show, press ❚❚ to display the still picture, then...



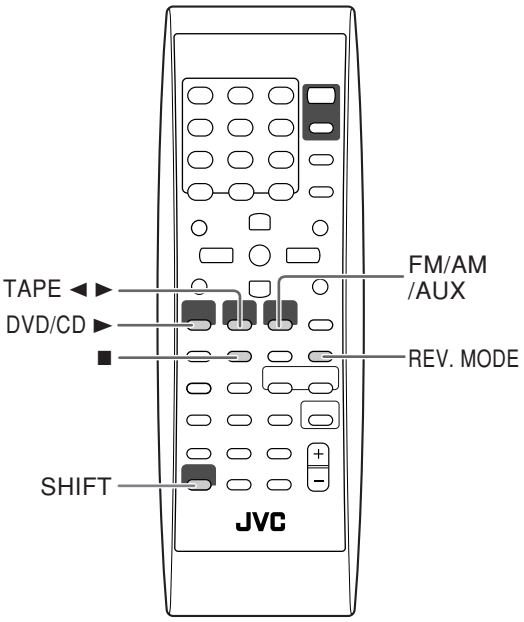
2 **Move the zoomed-in position.**



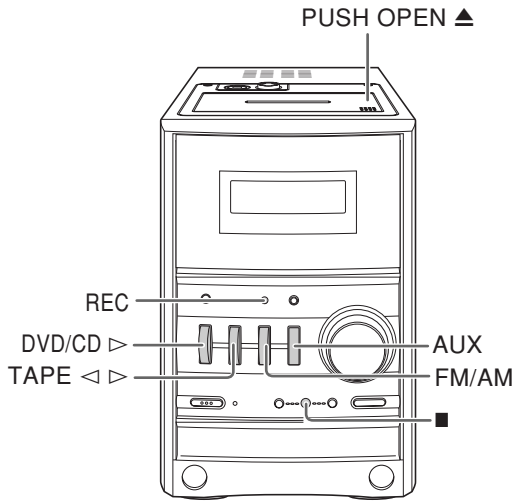
To cancel Zoom, press ZOOM repeatedly until "ZOOM OFF" appears on the TV.

Advanced Tape Operations

Remote control



Main unit

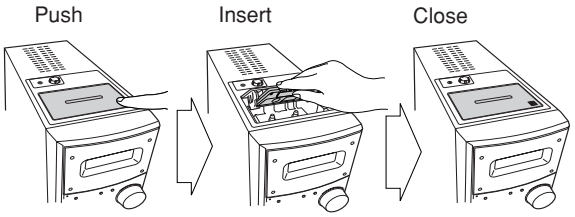


IMPORTANT
It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.

Recording on a Tape INFO

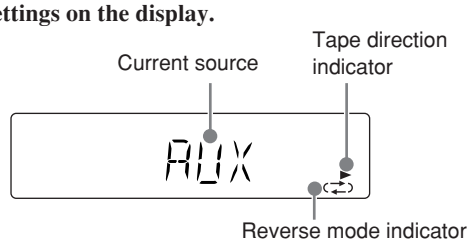
You can use type I tapes for recording.
• To play a tape, see page 9.

1 Insert a recordable cassette.

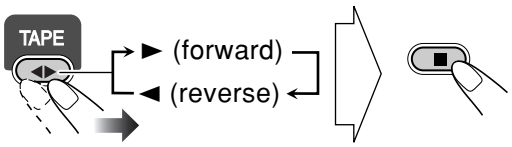


With the tape side facing outside

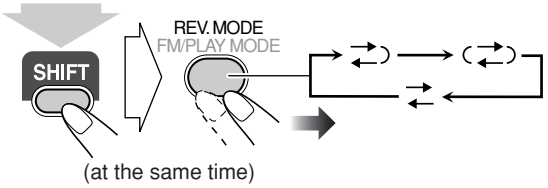
2 Check the tape running direction and Reverse Mode settings on the display.



To change the direction



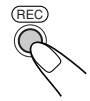
To change the Reverse mode if necessary



( )	To record on both sides. • When using Reverse Mode, start recording in the forward (►) direction.
	To record on only one side.

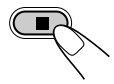
3 Select and start playing the source—"FM," "AM," "DVD/CD," or "AUX."
- When recording a disc, you can also use "Synchronized Disc Recording" (see below).

4 Start recording.



On the main unit

To stop recording:



Synchronized Disc Recording INFO

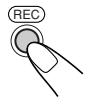
You can start and stop both disc play and tape recording at the same time.

To record the entire disc

1 Load a disc and insert a recordable cassette.
- If the current playing source is not the disc player, press DVD/CD ►, then ■.

2 Check the tape running direction and Reverse Mode settings on the display.
- See step *2* of "Recording on a Tape" on page 28.

3 Start recording.



On the main unit

The System automatically creates 4-second blanks between the tunes recorded on the tapes.

- When either disc play* or recording ends, both disc player and the cassette deck stop at the same time.

* For DVD Video: When a title is finished playing.

To record a "Live" disc
It will not be desirable to put 4-second blank portions between the tunes recorded on the tape.
To record the entire disc without any interruption recorded, pause the disc play (press DVD/CD ►, then ❚❚) before pressing REC.

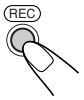
To record Program Play or Random Play
1 Select Program Play (and make a program) or Random Play, but do not start playback.
2 Press REC to start recording.
- When disc play stops, recording stops automatically.

To record only your favorite track

You can specify tracks to be recorded on the tape while listening to a disc (except for DVD Video/DVD-VR).

1 Start playing a disc.

2 While a track you want to record on the tape is playing...



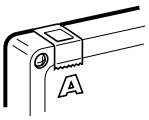
On the main unit

The disc player returns to the beginning of that track and the track is recorded on the tape. After recording the track, the disc player and cassette deck automatically stop.

3 Repeat steps *2* and *3* to record other tracks you want.
- You can exchange the discs if necessary.

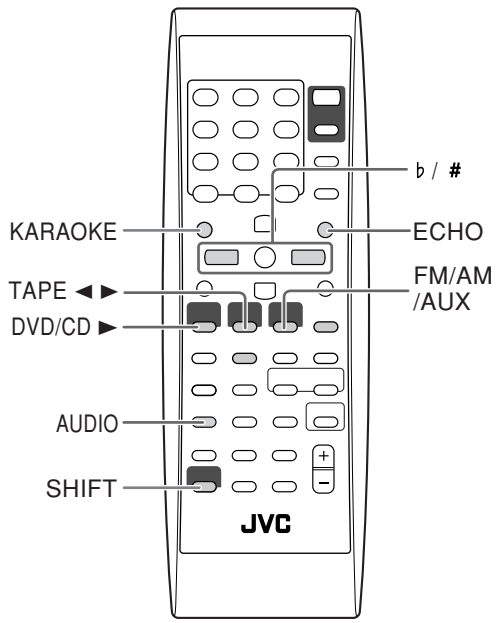
To protect your recording
Cassettes have two small tabs on the back to protect from unexpected erasure or re-recording.
To protect your recording, remove these tabs.

To re-record on a protected tape, cover the holes with adhesive tape.

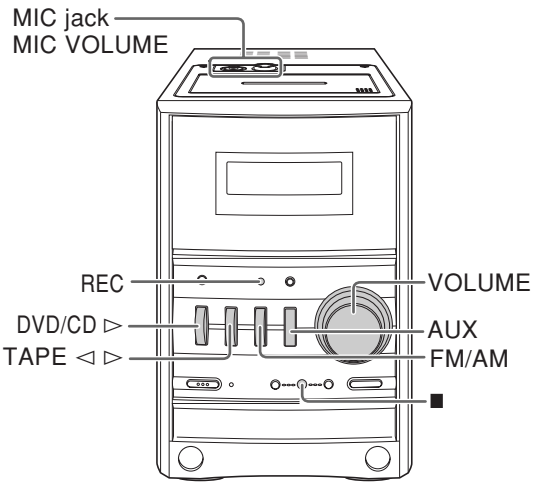


Enjoying Karaoke

Remote control



Main unit



IMPORTANT
Always set MIC VOLUME to MIN when connecting or disconnecting the microphone.

STOP! DO NOT keep the microphone connected while they are not in use.

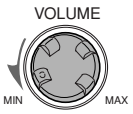
Singing Along (Karaoke) INFO

You can enjoy singing along (Karaoke) while playing a disc.

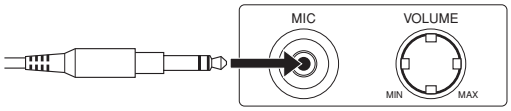
To sing along using the Karaoke discs

You can enjoy Karaoke using the Karaoke disc (except Karaoke CD).
• By pressing REC, you can record your singing-along.

1 **Turn MIC VOLUME to MIN.**

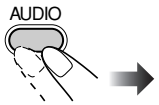


2 **Connect the microphone (not supplied) to the MIC jack.**



3 **Insert and start playing a Karaoke disc.**

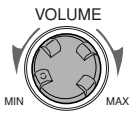
4 **Select an audio track.**

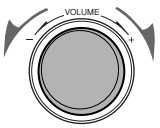


• For details, see "Selecting the Audio Track" on page 16.

5 **Sing into the microphone.**

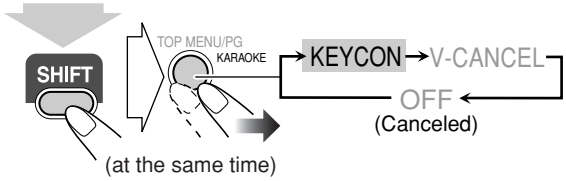
6 **Adjust the MIC VOLUME and VOLUME.**



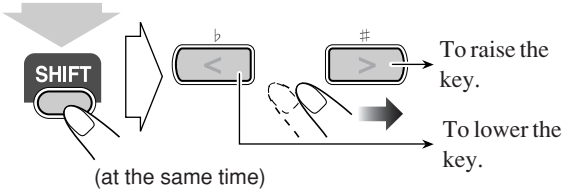


To adjust the Key (disc playback only)

1 Activate Key Control.



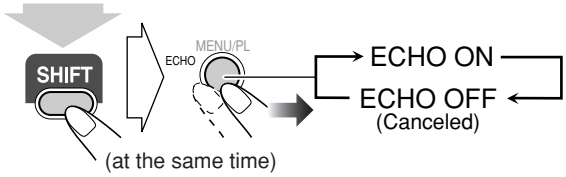
2 Adjust the Key



• Key Control cannot be activated for DVD Audio/DVD-VR.

To deactivate Key Control, press KARAOKE (while holding SHIFT) to select "OFF."

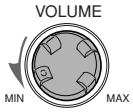
To apply echo to your voice



To sing along using the stereo discs —Vocal Cancel

You can enjoy Karaoke while playing a stereo disc. Vocal Cancel reduces the lead vocal of any disc except DVD Audio and DVD-VR.

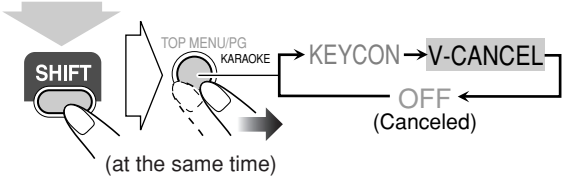
1 Turn MIC VOLUME to MIN.



2 Connect the microphone (not supplied) to the MIC jack.

3 Insert and start playing a stereo disc.

4 Activate Vocal Cancel.



5 Sing into the microphone.

6 Adjust the MIC VOLUME and VOLUME.

• You can apply echo to your voice.

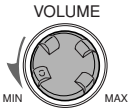
To deactivate Vocal Cancel, select "OFF" in step ***4***.

Microphone Mixing

You can enjoy microphone mixing while playing any source.

• By pressing REC, you can record your singing-along (except when the playing source is "TAPE").

1 Turn MIC VOLUME to MIN.



2 Connect the microphone (not supplied) to the MIC jack.

3 Start playing the source—"FM," "AM," "DVD/CD," "TAPE," or "AUX."

4 Sing into the microphone.

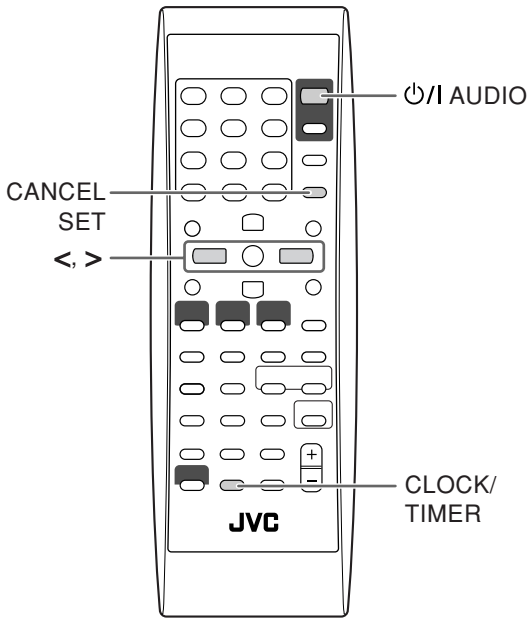
5 Adjust the MIC VOLUME and VOLUME.

• You can apply echo to your voice. While playing a disc, you can also adjust Key Control and apply echo.

To use the microphone only, select "AUX" in step ***3***, but do not start playback.

Timer Operations

Remote control



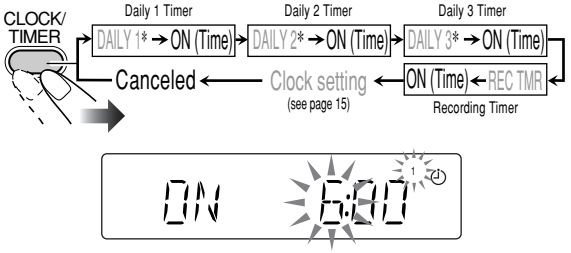
* Daily Timer initial settings when shipped from the factory
- DAILY 1:ON Time (6:00)/OFF Time (8:00)/ Source (TUNER FM 1)/Volume level (– –)
- DAILY 2:ON Time (12:00)/OFF Time (14:00)/ Source (TUNER FM 1)/Volume level (– –)
- DAILY 3:ON Time (18:00)/OFF Time (20:00)/ Source (TUNER FM 1)/Volume level (– –)

Setting the Timer

Remote ONLY INFO

Using Daily Timer, you can wake up with your favorite song. On the other hand, with Recording Timer, you can make a tape of a radio broadcast automatically.
- You can store three Daily Timer settings and one Recording Timer setting; however, you can activate only one of Daily Timers and Recording Timer at the same time.
- To exit from the timer setting, press CLOCK/TIMER as required.
- To correct a misentry during the process, press CANCEL. You can return to the previous step.

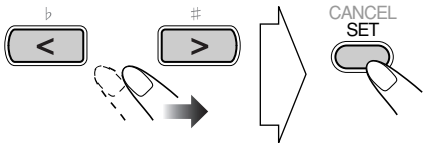
1 Select one of the timer setting modes you want to set—Daily 1 ON time, Daily 2 ON time, Daily 3 ON time, or Recording Timer ON time.



Ex. When Daily Timer 1 setting mode is selected

2 Make the timer setting as you want.

Repeat the following operations until you finish setting in the following order—



For Daily Timers:

① **Set the hour then the minute for on-time.**
② **Set the hour then the minute for off-time.**
③ **Select the playback source—"TUNER FM," "TUNER AM," "TAPE," "DISC," or "AUX."**

④ **For "TUNER FM" and "TUNER AM": Select a preset channel.**
For "DISC": Select the title/group number (GR), then the chapter/track number (TR).

⑤ **Select the volume level.**
- You can select the volume level ("1" to "40" and "VOL – –").
  If you select "VOL – –," the volume is set to the last level when the unit has been turned off.

Once settings are complete, the Timer setting information appears in sequence.

For Recording Timer:

① **Set the hour then the minute for on-time.**
② **Set the hour then the minute for off-time.**
③ **Select the playback source—"TUNER FM," "TUNER AM," or "AUX."**
④ **For "TUNER FM" and "TUNER AM": Select a preset channel.**

Once settings are complete, the Timer setting information appears in sequence.

3 **Turn off the unit (on standby) if you have set the timer with the System turned on.**

How Daily Timer actually works

Once the Daily Timer has been set, the timer (⏲) indicator and timer number indicator (1/2/3) are lit on the display. Daily Timer is activated at the same time everyday until the timer is turned off manually (see the next column) or another timer is activated.

When the on-time comes

The System turns on, starts playing the specified source (except "AUX"), and sets the volume level to the preset level.
- While Daily Timer is working, the timer (⏲) indicator and timer number indicator (1/2/3) flash on the display.

When the off-time comes

The System stops playback, and turns off (stands by) automatically.
- The timer setting remains in memory until you change it.

How Recording Timer actually works

When Recording Timer has been set, Timer (⏲) indicator and the REC indicator are lit on the display. Recording Timer works only once.

When the on-time comes

The System turns on, tunes in to the specified station or changes the source to "AUX", and starts recording.

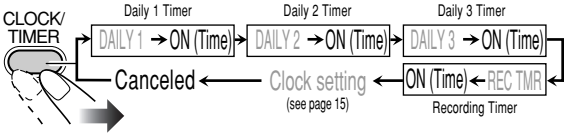
When the off-time comes

The System stops recording, and turns off (stands by).
- The timer setting remains in memory until you change it.

To turn off the Timer after its setting is done

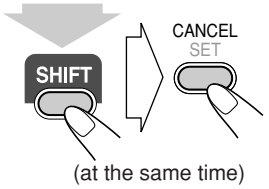
Since Daily Timer is activated at the same time everyday, you may need to cancel it on some particular days.
- Recording Timer can also be canceled temporarily.

1 Select the Timer you want to cancel.



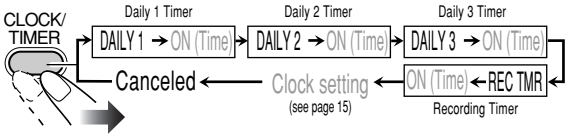
Ex.To cancel Daily Timer 1

2 Turn off the selected Timer.

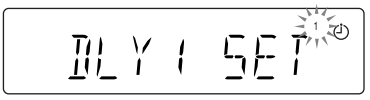


To turn on the Timer

1 Select the Timer (DAILY 1/2/3, and REC TMR) you want to activate.



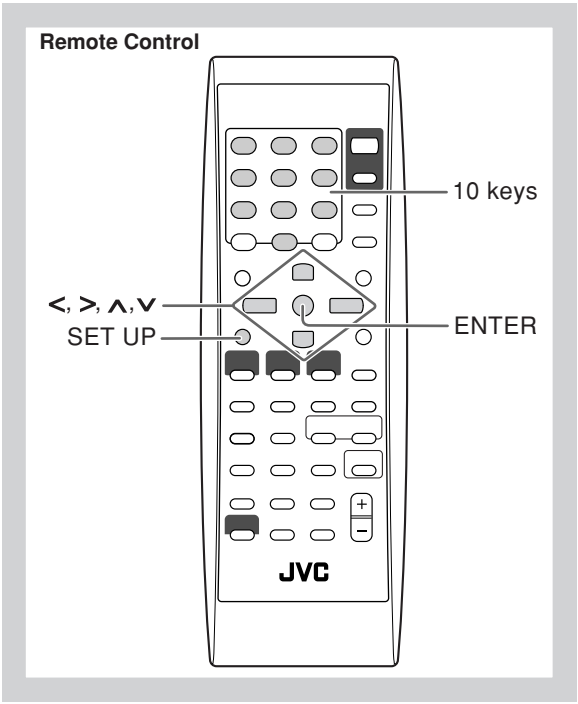
2 Activate the selected Timer.



Ex. When Daily Timer 1 (DAILY 1) is activated

3 Wait until the indication goes off.

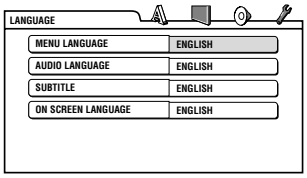
Setup Menu Operations



Initial settings INFO

Some items in the menus cannot be changed during playback.

1 **Press SET UP.**



2 **Press < (or >)to select the menu.**

3 **Press ∧ (or ∨) to move to select the item.**

4 **Press ENTER.**

5 **Press ∧ (or ∨) to select the options, then press ENTER.**

- For settings of the LANGUAGE menu, see also "Language Code List" on page 41.

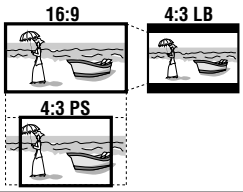
To erase a preference display

Press SET UP.

LANGUAGE menu

Item	Contents
MENU LANGUAGE	You can select the initial menu language of DVD Video.
AUDIO LANGUAGE	You can select the initial audio language of DVD Video.
SUBTITLE	You can select the initial subtitle language of DVD Video.
ON SCREEN LANGUAGE	You can select "ENGLISH," "CHINESE," or "SPANISH" as the on-screen language.

PICTURE menu

Item	Contents
MONITOR TYPE 	You can select the monitor type to match your TV when you play back DVD Video discs recorded for wide-screen televisions. **16:9 [MULTI] (Wide television screen):** For a wide-screen (16:9) TV. **4:3 [MULTI] LB (Letter box conversion):** For a conventional (4:3) TV. Displays a wide-screen picture to fit the width of the TV screen keeping the aspect ratio. **4:3 [MULTI] PS (Pan Scan conversion):** For a conventional (4:3) TV. The picture is zoomed up for filling the screen vertically and the left and right sides of the picture are cut off. • For multi-color system TVs, select the [MULTI] option.
PICTURE SOURCE	You can obtain optimal picture quality by selecting the source type of the disc contents. **AUTO:** Normally, select this option. The System recognizes the picture type (film or video source) of the current disc according to the disc information. **FILM:** For a film source disc. **VIDEO:** For a video source disc.
SCREEN SAVER	You can set the screen saver function to **ON** or **OFF.**
FILE TYPE	You can select the file type to play. **AUDIO:** To play MP3 files. **STILL PICTURE:** To play JPEG files.

AUDIO menu

Item	Contents
DIGITAL AUDIO OUTPUT	Set this item correctly when using the DVD OPTICAL DIGITAL OUT terminal on the rear. **PCM ONLY:** When connecting to audio equipment which can decode only linear PCM signals. **DOLBY DIGITAL/PCM:** When connecting to a Dolby Digital decoder or an amplifier with a built-in Dolby Digital decoder. **STREAM/PCM:** When connecting to a DTS decoder or an amplifier with a built-in DTS decoder.
DOWN MIX	This setting is effective for digital audio output if "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY." **DOLBY SURROUND:** Select this when connecting to a surround decoder. **STEREO:** Select this when connecting to a stereo receiver, MD player, TV, etc.
D.RANGE COMPRESSION	Set this item to listen to DVD Video recorded in Dolby Digital format at low or middle volume. **AUTO:** You can enjoy powerful playback sound. **ON:** Select this if the sound level of DVD Video is lower than the one of TV program to make the sound at a lower volume clear.

OTHERS menu

Item	Contents
RESUME	You can select the Resume. **ON:** The System resumes playback from the position where playback has been stopped if the disc is still in the disc tray. **OFF:** Resume is deactivated.
ON SCREEN GUIDE	Activate (**ON**) or deactivate (**OFF**) the on-screen guide.

Additional Information

Learning More about This System

Introduction (see pages 1 to 2)

Playable Disc Types:

- If you play back an NTSC disc with this setting set to "PAL," you can watch the playback pictures (the disc will be reproduced using "PAL 60" format), but the TV screen may roll over upward and downward rapidly.
- If you play back a PAL disc with this setting set to "NTSC," you can watch the playback pictures, but the following symptoms may occur:
  - The items on the disc menu will be blurred, and be shown slightly shifted when highlighted.
  - The aspect ratio of the picture may differ from the original aspect ratio.
  - The picture movement is not smooth.

Connections (see pages 3 to 5)

- Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the AC power cord. This could cause poor reception.
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the System.
- The speakers are magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. So, pay attention to the following when installing the speakers.
  - When placing the speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers.
    Then wait at least 30 minutes before turning on the TV's main power switch again.
  - Some TVs may still be affected even though you have followed the above instruction. If this happens, move the speakers away from the TV.

Daily Operations—Playback (see pages 7 to 11)

Listening to the Radio:

- If you store a new station into an occupied preset number, the previously stored station in that number will be erased.
- When you unplug the AC power cord or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

Playing Back a Tape:

- It is not recommended to use the C-120 or longer tapes. These tapes easily jams in the pinch rollers and the capstans, and may cause characteristic deterioration.

Playing Back a Disc:

- On some DVD, SVCD, or VCD discs, the actual operations may be different from what is explained in this manual, due to the programming and disc structure; such differences are not a malfunction of this System.
- Some DVD Audios prohibit downmix. When you play back such a disc, "LR ONLY" appears on the display and the System plays back the left front and right front signals.
- When playing back a DVD Audio disc recorded in MLP (Meridian Lossless Packing; a lossless audio compression system that can completely recreate the PCM signal), the signals are recognized as the linear PCM signals, however, no indicator lights up on the display.
- For MP3 playback...
  - MP3 discs are required a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
  - Some MP3 files cannot be played back and will be skipped. This results from their recording processes and conditions.
  - When making MP3 discs, use ISO 9660 Level 1 or Level 2 for the disc format.
  - This System can play back MP3 files with the extension code <.mp3> (regardless of the letter case—upper/lower).
  - It is recommended that you make each MP3 file at a sampling rate of 44.1 kHz and at bit rate of 128 kbps. This System cannot play back files made at bit rate of less than 64 kbps.

Daily Operations—Sound & Other Adjustments (see pages 12 to 15)

Adjusting the Sound:

• This function also affects the sound through the headphones.

Presetting Automatic DVD Video Sound Increase Level:

• This also functions for DVD-VR formatted discs.

Changing the Scanning Mode:

• You cannot change the scanning mode to progressive in the following cases:
  – When your TV does not support the progressive video input.
  – When you have not connected your TV to the system using a component video cord.

Setting the Clock:

• "0:00" will flash on the display until you set the clock.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, reset the clock.

Unique DVD/VCD Operations (see pages 16 to 18)

Selecting the Audio Track:

• On some DVD Videos, you cannot change audio languages while playing back.

Special Effect Playback:

• During slow-motion playback, no sound will be reproduced.
• While zoomed in, the picture may look coarse.

Advanced Disc Operations (see pages 19 to 21)

Programming the Playing Order—Program Play:

• While programming steps...
  Your entry will be ignored if you have tried to program an item number that does not exist on the disc (for example, selecting track 14 on a disc that only has 12 tracks).

Playing Repeatedly:

• A-B Repeat can be used within the same title while playing a DVD Video, and within the same track for the other discs.

On-Screen Disc Operations (see pages 22 to 27)

Operations Using the On-screen Bar:

• For DVD-RW/RAM in the VR format, "PG" or "PL" appears instead of "TITLE" on the on-screen bar.

Operations on the Control Screen:

• For JPEG files playback...
  – It is recommended that you record a file at 640 x 480 resolution. (If a file has been recorded at a resolution of more than 640 x 480, it will take a long time to be shown.)
  – This System can play only baseline JPEG files*. Progressive JPEG files* or lossless JPEG files* cannot be played.
    * Baseline JPEG format: Used for digital cameras, web, etc.
      Progressive JPEG format: Used for web.
      Lossless JPEG format: An old type and rarely used now.
• This System can play back JPEG files with the extension code <.jpg> or <.jpeg> (regardless of the letter case—upper/lower).
• This System may not play back JPEG files properly if they are recorded on the devices other than digital still camera.
• During slide-show playback, zoom cannot be operated.
• For DVD-VR playback...
  – When making a disc, use the UDF-Bridge format.
  – For details about DVD-VR format and play list, refer to the manual of the recording equipment.
  – If you use a DVD-RAM with a cartridge, take the disc out of the cartridge before inserting.
  – You cannot use reverse slow motion, Program Play, and Random Play.

Advanced Tape Operations (see pages 28 to 29)

Recording on a Tape:

- The recording level is automatically set correctly. Thus, you can adjust the sound you are actually listening to without affecting the recording level.
- There is leader tape which cannot be recorded onto at the start and end of cassette tapes. Thus, when recording CDs or radio broadcasts, wind the leader tape first to ensure that the recording will be made without any music part lost.
- If you start recording with no cassette inserted, "NO REC" appears on the display. If a protected tape has been inserted, "NO REC" appears.
- When using Reverse Mode for recording, start recording in the forward (►) direction first; otherwise, recording will stop when only one side (reverse) of the tape is recorded.
- You can also change Reverse Mode setting (and) after starting recording.
- You cannot open or close the disc tray while recording a disc.

Synchronized Disc Recording:

- When the tape reaches its end in the forward direction (►) during recording with Reverse Mode set to , the last tune will be re-recorded at the beginning of the reverse side.

Enjoying Karaoke (see pages 30 to 31)

Singing Along (Karaoke):

- Karaoke mode setting (Key Control and Vocal Cancel) can be used only when the source is disc player (DVD/CD).
- Karaoke mode setting is automatically canceled when the source is changed.
- Karaoke mode setting is also applied to the optical digital output signals.
- When Vocal Cancel is activated, 3D Phonic will be canceled temporarily.
- On some music disc, Vocal Cancel does not provide the correct effect.

Timer Operations (see pages 32 to 33)

Setting the Timer:

- When using an external component—"AUX" for the playback source, set the timer built in the component at the same time.
- Before turning off the power, do not forget to prepare the required materials—a disc or tape for playback and a recordable tape for recording.
- If you do not specify the preset station or track number correctly while setting a timer, the currently selected station or the first track will be played when timer is activated.
- When you unplug the AC power cord or if a power failure occurs, the timer will be canceled. You need to set the clock first, then the timer again.
- If you set DVD Video as the source, Daily Timer will not work correctly.

Timer Priority:

- If you set the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.
- If you set the Sleep Timer after Recording Timer starts recording, Recording Timer is canceled, but recording continues until Sleep Timer shuts off the power.

Setup Menu Operations (see pages 34 to 35)

General:

- If the upper and lower parts of the menu are cut off, adjust the picture size control of the TV.

LANGUAGE menu:

- When the language you have selected for MENU LANGUAGE, AUDIO LANGUAGE, or SUBTITLE is not recorded on a disc, the original language is used as the initial language.

PICTURE menu—MONITOR TYPE:

- Even if "4:3 [MULTI] PS" is selected, the screen size may become 4:3 letter box while playing a disc. This depends on how the discs are recorded.
- When you select "16:9 [MULTI]" for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.

OTHERS menu—ON SCREEN GUIDE:

- The setup menu and on-screen bar will be displayed (and recorded) even though this function is set to "OFF." Subtitles and the information for zoom-in always appear on the display regardless of this setting.

Maintenance

To get the best performance of the System, keep your discs, tapes, and mechanism clean.

Handling discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.
- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

To clean the disc:

Wipe the disc with a soft cloth in a straight line from center to edge.

Handling cassette tapes

- If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotate it.
  - If the tape is loose, it may get stretched, cut, or caught in the cassette.
- Be careful not to touch the tape surface.
- Avoid the following places to store the tape—in dusty places, in direct sunlight or heat, in moist areas, on a TV or speaker, or near a magnet.

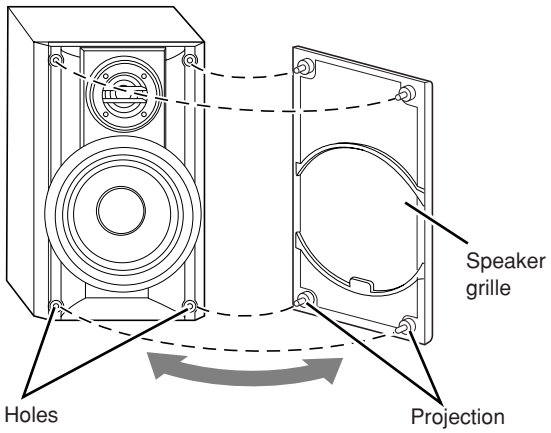
To keep the best recording and playback sound quality:

- Use a cotton swab moistened with alcohol to clean the heads, capstans, and pinch rollers.
- Use a head demagnetizer (available at electronics and audio shops) to demagnetize the heads (when the System turned off).

Cleaning the System

- Stains should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
  - DO NOT wipe it with a hard cloth.
  - DO NOT wipe it strong.
  - DO NOT wipe it with thinner or benzine.
  - DO NOT apply any volatile substance such as insecticides to it.
  - DO NOT allow any rubber or plastic to remain in contact for a long time.

To remove the speaker grilles



(Illustration above is of UX-GD6S)

Troubleshooting

General:

Adjustments or settings are suddenly canceled before you finish.

⇨ There is a time limit. Repeat procedure again.

Operations are disabled.

⇨ The built-in microprocessor may malfunction due to external electrical interference. Unplug the AC power cord and then plug it back in.

Unable to operate the System from the remote control.

⇨ The path between the remote control and the remote sensor on the System is blocked.

⇨ The batteries are exhausted.

No sound is heard.

⇨ Speaker connections are incorrect or loose.

⇨ Headphones are connected.

No picture appears on the screen.

⇨ The video cord connections are incorrect or loose.

No picture is displayed on the TV screen, the picture is blurred, or the picture is divided into two parts.

⇨ The System is connected to a TV which does not support progressive video input.

⇨ Incorrect color system is selected (see page 4).

The left and right edges of the picture are missing on the screen.

⇨ Select "4:3 LB" for "MONITOR TYPE" (see page 34).

Radio Operations:

Hard to listen to broadcasts because of noise.

⇨ Antennas connections are incorrect or loose.

⇨ The AM loop antenna is too close to the System.

⇨ The FM antenna is not properly extended and positioned.

Disc Operations:

The disc does not play.

⇨ You have inserted a disc whose Region Code is not correct. ("REGION ERR" appears on the display.)

⇨ The disc is placed upside down. Place the disc with the label side up.

ID3 Tag on an MP3 disc cannot be shown.

⇨ There are two types of ID3 Tag—Version 1 and Version 2. This System can only show ID3 Tag Version 1.

Groups and tracks are not played back as you expect.

⇨ The playing order is determined when the disc was recorded. It depends on the writing application.

MP3 or JPEG files are not played back.

⇨ The inserted disc may include both type of tracks (MP3 files and JPEG files). In this case, you can only play back the files selected by the "FILE TYPE" setting (see page 34).

⇨ You have changed the "FILE TYPE" setting after you inserted a disc. In this case, reload the disc.

"NO AUDIO" appears.

⇨ This System cannot play back illegally produced DVD Audio discs.

"LR ONLY" appears.

⇨ Some DVD Audio discs prohibit downmixed output. When you play back such a disc, this System plays back the left front and right front signals only.

The disc sound is discontinuous.

⇨ The disc is scratched or dirty.

No subtitle appears on the display though you have selected the initial subtitle language.

⇨ Some DVDs are programmed to always display no subtitle initially. If this happens, press SUBTITLE after starting play (see page 17).

Audio language is different from the one you have selected as the initial audio language.

⇨ Some DVDs are programmed to always use the original language initially. If this happens, press AUDIO after starting play (see page 16).

The disc tray does not open or close.

⇨ The AC power cord is not plugged in.

⇨ Child Lock is in use. "LOCKED" appears in the display window (see page 21).

Tape Operations:

The cassette holder cannot be opened.

⇨ Power supply from the AC power cord has been cut off while the tape was running. Turn on the System.

Recordings:

Impossible to record.

⇨ Small tabs on the back of the cassette are removed. Cover the holes with adhesive tape.

Timer Operations:

Daily Timer does not work.

⇨ The System has been turned on when the on-time comes. Timer starts working only when the System is turned off.

Daily Timer does not start playback.

⇨ The disc loaded is a DVD video. Change the disc.

⇨ Title/group number and chapter/track number are not entered while setting the Daily Timer. Do not skip these steps when you want to play a disc using Daily Timer.

Language Code List

AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Ameharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Byelorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scots Gaelic
GL	Galician
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IW	Hebrew
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KO	Korean (KOR)
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laothian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MS	Malay (MAY)
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NL	Dutch
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Panjabi
PL	Polish
PS	Pashto, Pushto
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Rumanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sangho
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tonga
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapuk
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

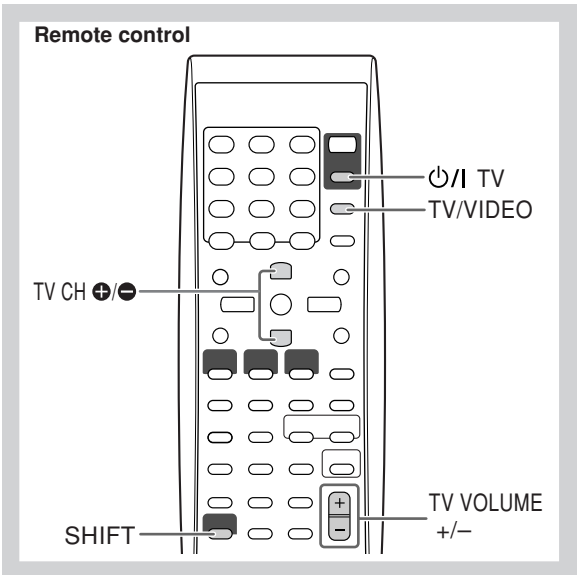
OPTICAL DIGITAL OUTPUT Signals

DIGITAL AUDIO OUTPUT / Playback disc	Output Signals		
	STREAM/PCM	**DOLBY DIGITAL/PCM**	**PCM ONLY**
DVD Video			
with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM*1		
with 96 kHz, Linear PCM	48 kHz, 16 bit Linear PCM		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
with DTS	DTS bitstream	48 kHz, 16 bit Linear PCM	
DVD Audio*2			
with 48/96/192 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM		
with 44.1/88.2/176.4 kHz, 16/20/24 bit Linear PCM	44.1 kHz, 16 bit Linear PCM		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
with DTS	DTS bitstream	48 kHz, 16 bit Linear PCM	
DVD-RW/RAM/ROM in DVD-VR format			
with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM*1		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
SVCD, VCD, CD	44.1 kHz, 16 bit Linear PCM/48 kHz, 16 bit Linear PCM		
CD with DTS	DTS bitstream	44.1 kHz, 16 bit Linear PCM	
MP3 disc	32/44.1/48 kHz, 16 bit Linear PCM		

*1 While playing some DVDs, digital signals may be emitted at 20 bits or 24 bits (at their original bit rate) through the DVD OPTICAL DIGITAL OUT terminal if the discs are not copy-protected.

*2 While playing some DVD Audio discs, digital signals may not be emitted through the DVD OPTICAL DIGITAL OUT terminal if the discs are processed with CPPM (Content Protection for Prerecorded Media).

Operating JVC's TVs Using the Remote Control



You can use the remote control to operate JVC's TVs.

⏻/I TV	Turn on/off TV.

While holding SHIFT, press...

TV CH ⊕/⊖	Change the channels.
TV VOLUME	Adjust the volume.
TV/VIDEO	Change the input mode.

Specifications

Amplifier section

CA-UXGD6S (for UX-GD6S)/CA-UXGD6M (for UX-GD6M)

Output Power:

100 W (50 W + 50 W) at 6 Ω (10% THD)

Audio Input AUX: 400 mV/50 kΩ (at "AUX LVL1")
200 mV/50 kΩ (at "AUX LVL2")

Digital output: DVD OPTICAL DIGITAL OUT:
–21 dBm to –15 dBm (660 nm ±30 nm)

Video output:

Color system: NTSC or PAL (interlaced/progressive)

VIDEO (composite): 1 V(p-p)/75 Ω

S-VIDEO: Y (luminance) 1 V(p-p)/75 Ω
C (chrominance, burst)
NTSC 0.286 V(p-p)/75 Ω
PAL 0.3 V(p-p)/75 Ω

COMPONENT: (Y) 1 V(p-p)/75 Ω
(P_B/P_R) 0.7 V(p-p)/75 Ω

Speaker impedance: 6 Ω – 16 Ω

Tuner section

FM tuning range: 87.50 MHz – 108.00 MHz

AM (MW) tuning range:
531 kHz – 1 710 kHz (at 9 kHz intervals)
530 kHz – 1 710 kHz (at 10 kHz intervals)
For Saudi Arabia only:
531 kHz – 1 602 kHz (at 9 kHz intervals)
530 kHz – 1 600 kHz (at 10 kHz intervals)

Tape section

Frequency response: 60 Hz – 14 000 Hz

Wow and flutter: 0.15 % (WRMS)

Disc player section

Region codes:
Middle East: 2
South East Asia: 3
Central and South America: 4

Playable disc:
DVD Video/DVD Audio
CD/VCD/SVCD
CD-R/CD-RW (CD/SVCD/VCD/MP3/JPEG format)
DVD-R (DVD Video format)
DVD-RW/DVD-ROM/DVD-RAM (DVD-VR format)

Dynamic range: 80 dB

Horizontal resolution: 500 lines

Wow and flutter: Immeasurable

General

Power requirement:
AC 110 V/AC 127V/AC 220 V – AC 230 V ~
(adjustable with the voltage selector), 50 Hz/60 Hz

Power consumption: 95 W (at operation)
4 W (on standby)

Dimensions (approx.): 170 mm x 240 mm x 361 mm (W/H/D)

Mass (approx.): 5.6 kg

Speakers

SP-UXGD6S (for UX-GD6S)

Speaker units: Tweeter: 4 cm cone x 1
Woofer: 13.5 cm cone x 1

Impedance: 6 Ω

Dimensions (approx.): 165 mm x 283.5 mm x 249 mm (W/H/D)

Mass (approx.): 2.8 kg each

SP-UXGD6M (for UX-GD6M)

Speaker units: Tweeter: 4 cm cone x 1
Woofer: 12 cm cone x 1

Impedance: 6 Ω

Dimensions (approx.): 145 mm x 240 mm x 201 mm (W/H/D)

Mass (approx.): 2.2 kg each

Supplied Accessories

See page 3.

- Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", "MLP lossless", and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS 2.0+ Digital Out" are trademarks of Digital Theater Systems, Inc.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

"CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER."

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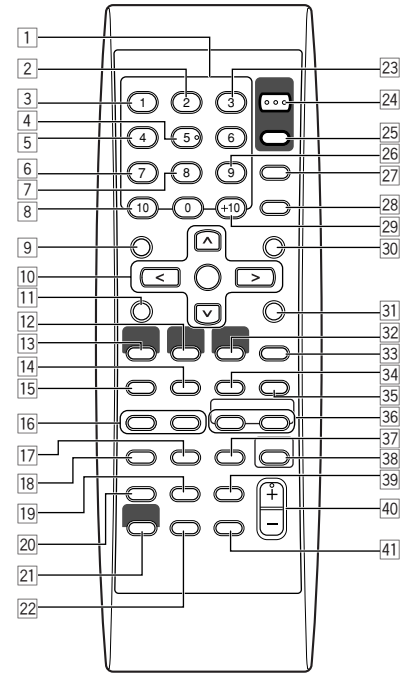
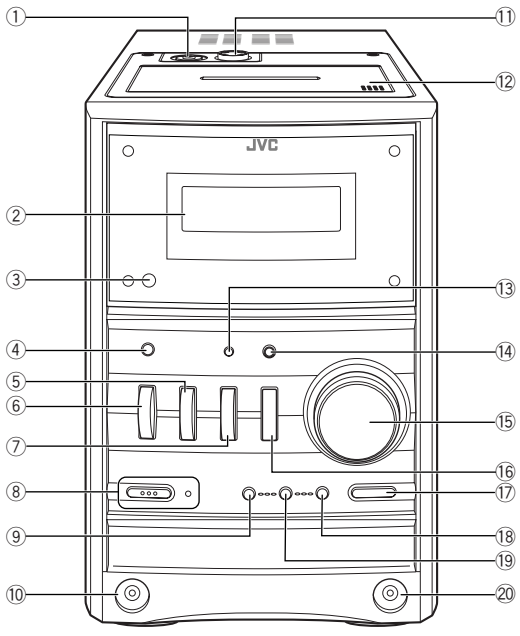
Remote control



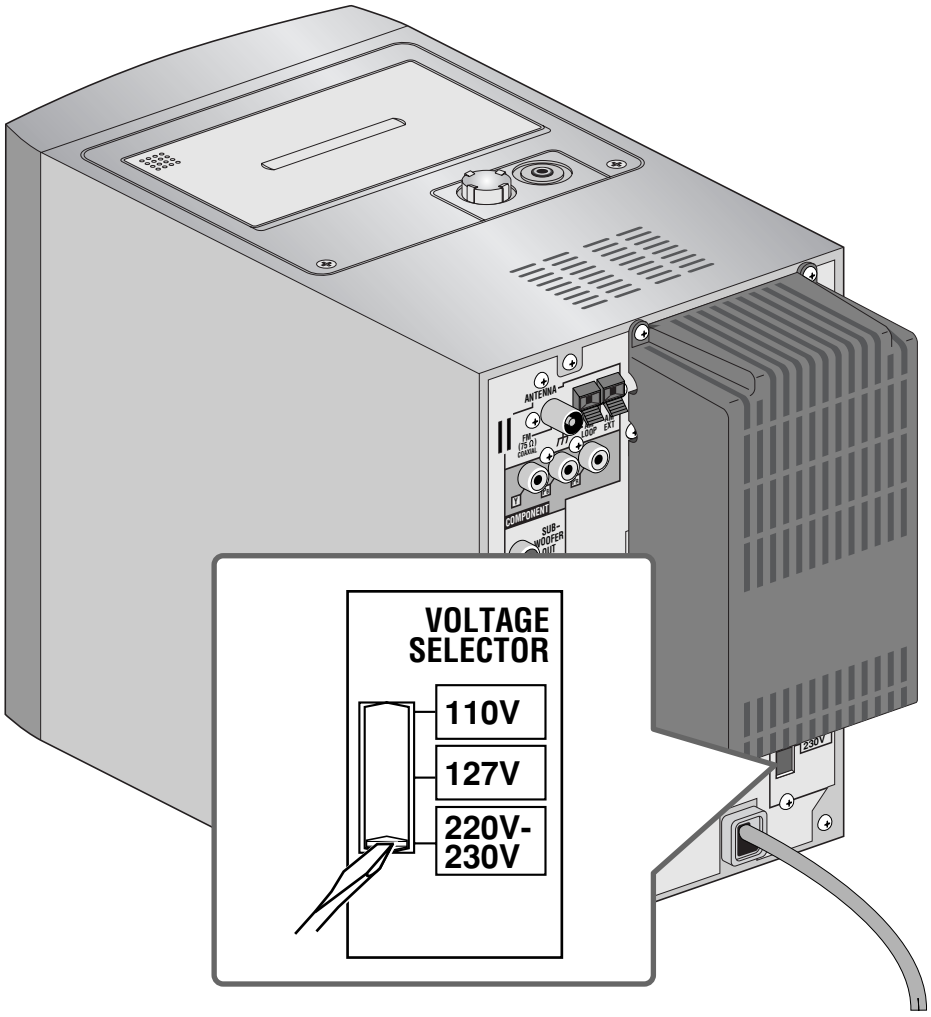
This remote control can also operate JVC's TVs (see page 42).

Main unit



MEMO

Mains (AC) Line Instruction (not applicable for Europe, U.S.A., Canada, Australia, and U.K.)



CAUTION for mains (AC) line
BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

JVC

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